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Vol. 39—No. 7 July 1975

ISSN 0006-1530

BIBLIOGRAPHY OF AGRICULTURE

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The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and the allied sciences received in the National Agricultural Library. Magnetic tapes supplied by the library are computer processed, using several vocabulary control mechanisms. The resulting indexes provide access to the literature in considerably less time than would be required by traditional indexing techniques.

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7077 East Main Street
Scottsdale, AZ 85251

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*Physical sciences and mathematics .....
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into nine sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, and a personal author index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

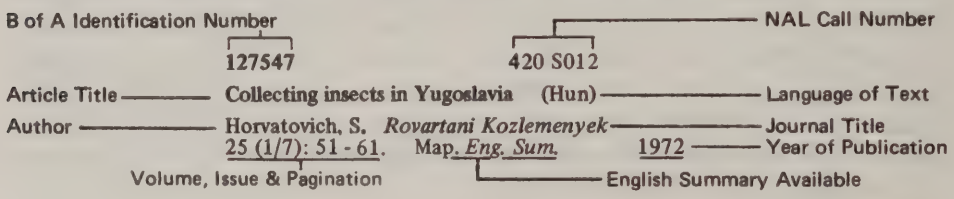
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	**Afrikaans**	**(Fre)**	**French**	**(Mac)**	**Macedonian**
(Alb)	**Albanian**	**(Geo)**	**Georgian**	**(Nor)**	**Norwegian**
(Arm)	**Armenian**	**(Ger)**	**German**	**(Pol)**	**Polish**
(Aze)	**Azerbaijani**	**(Gre)**	**Greek**	**(Por)**	**Portuguese**
(Bel)	**Belorussian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bul)	**Bulgarian**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Bur)	**Burmese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Chi)	**Chinese**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cro)	**Croatian**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Cze)	**Czech**	**(Jpn)**	**Japanese**	**(Spa)**	**Spanish**
(Dan)	**Danish**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
(Dut)	**Dutch**	**(Lat)**	**Latin**	**(Tha)**	**Thai**
(Est)	**Estonian**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
(Fin)	**Finnish**	**(Lit)**	**Lithuanian**	**(Ukr)**	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

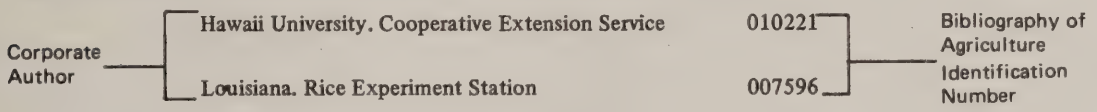
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

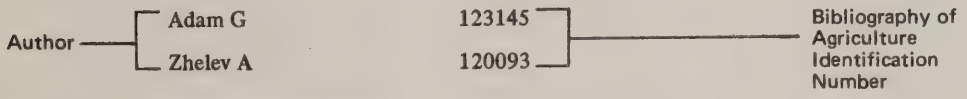
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$1.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A E Coop Ext Serv Univ Ill Coll Agric Dep Agric Econ
A E Ext Dep Agric Econ N Y State Coll Agric Contract Coll State Univ Cornell Univ
A E Pap Okla State Univ Dep Agric Econ
A E R S Dep Agric Econ Rural Sociol Agric Exp Stn Pa State U
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric
Abeille Fr Apicul
Abeilles & Fleurs
Acta Agron (Budap)
Acta Biol Med Ger
Acta Bot Neerl
Acta Chim
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Faun Entomol Prague Nar Mus
Acta Med Scand
Acta Microbiol Pol, Ser B Microbiol Appl
Acta Neurobiol Exp
Acta Pathol Microbiol Scand, Sect B Microbiol Immunol
Acta Phytogeogr Suec
Acta Phytopathol
Acta Univ Agric, Fac Agroecon
Acta Univ Agric, Fac Silvic
Acta Virol
Acta Vitaminol Enzymol
Acta Zool Lillo
Adansonia
Adv Behav Biol
Adv Chem Ser
Adv Cyclic Nucleotide Res
Adv Pharmacol Chemother
AGR Ky Univ Dep Agron
Agrarwirtschaft
Agric Agroind J
Agric Biol Chem
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Elev Morbihan
Agric Eng (St Joseph, Mich)
Agric Enterp Stud Engl Wales Econ Rep
Agric Financ Rev
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Hist Rev
Agric Hortic
Agric Inf Bull U S Dep Agric
Agric Merch
Agric North Irel
Agric Res
Agric Tec
Agricultura (Madr)
Agriculture (Paris)
Agro Sur
Agroanimalia
Agrochemophysica
Agrochimica
Agroplantae
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Ala For Prod
Algodon Mex
Alimenta
Alive Well
Allg Dtsch Imkerztg
Am Anthropol
Am Bee J
Am Coop, Am Inst Coop
Am Fern J
Am For
Am Hortic Mag
Am J Agric Econ
Am J Clin Nutr
Am J Physiol
Am Nurserym
Am Potato J
Am Rose Annu
Am Veg Grow
Amer J Clin Nutr
An Asoc Quim Argent
An Col Of Vet Prov
An Inst Nac Invest Agrar, Ser Prot Veg
An R Soc Esp Fis Quim, Ser B Quim
An Soc Rural Argent
An Stiint Univ Al I Cuza Iasi Sect 2a Biol
Anal Biochem
Anal Situacion Agric Sinaloa
Andhra Agric J
Angew Chem Int Ed Engl
Angew Makromol Chem
Anim Blood Groups Biochem Genet
Anim Dis Res Assoc (Scotl)
Ann Appl Biol
Ann Bot Fenn
Ann Genet Sel Anim
Ann Geogr
Ann Inst Biol (Tihany) Hung Acad Sci
Ann Inst Pasteur (Paris)
Ann Med Vet
Ann Mo Bot Gard
Ann N Y Acad Sci
Ann Nutr Aliment
Ann Parasitol Hum Comp
Ann Phytopathol
Ann Rech Vet
Ann Soc Entomol Que
Ann Tech Agric
Ann Zootech
Annu Fert Circ Agric Exp Stn Univ R I
Annu Rev Ecol Syst
APHIS-91 U S Anim Plant Health Insp Serv
Apicultura
Appl Microbiol
Arbor Rev Minn Univ Agric Ext Serv
Arboric Fruit
Arch Environ Health
Arch Gesamt Virusforsch
Arch Inst Pasteur Tunis
Arch Inst Razi
Arch Ital Biol
Arch Phytopathol Pflanzenschutz
Arch Vet Ital
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
Atherosclerosis
Atoll Res Bull
Atti Accad Naz Lincei, Ser Ottava Rend Cl Sci Fis Mat Nat
Atti Soc Tosc Sci Nat
AUARA (Annamalai Univ Agric Res Annu)
Audiovisual Instruction
Aust Bee J
Aust Beekeep
Aust For Res
Aust J Agric Econ
Aust J Agric Res
Aust J Chem
Aust J Dairy Technol
Aust J Exp Agric Anim Husb
Aust J Exp Biol Med Sci
Aust J Soil Res
Aust Vet J
Aust Water Resour Counc Hydrol Ser
Avian Dis
B C Dep Agric Entomol Branch
B Coop Ext Programs Univ Wisc
Baromfitenyesztes
Bee Craft
Beef Cattle Sci Handb
Behav Genet
Belg Apic
Belg Lait
Ber Getreidechem Tag
Ber Landwirtsch (Hamburg)
Bidr Kanne Finl Nat Folk (Helsinki)
Biene
Bienenpflege
Bi-mon Res Can For Serv
Biochem Biophys Res Commun
Biochem J
Biochemistry (Easton)
Biochemistry (N Y)
Biochim Biophys Acta
Biokhimiia
Biol Reprod
Biol Sci Tokyo
Biologico
Biologist
Biophysics
Biotropica
Birth Fam J
Bitki Koruma Bul
Biul Warz
Blauen Hefte Tier
Blumea
Bois Forets Trop
Bol Agric
Bol Of Sanit Panam
Bol Soc Argent Bot
Bol Tec Inst Florestal (Sao Paulo)
Bot Gaz
Bot J Linn Soc
Bot Mar
Bot Tidsskr
Bot Zh
Botyu Kagaku
Br Bee J
Br Food J
Br J Pharmacol
Br Poult Sci
Br Sugar Beet Rev
Branntweinwirtschaft
Bras Acucar
Bras Flores
Brauwelt
Broil Ind
Bryologist
Budownictwo Wiejsk
Bull A S P S (Afr Suc Plant Soc)
Bull A Univ Md Agric Exp Stn
Bull Acad Pol Sci, Ser Sci Biol
Bull Acad Vet Fr
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Agric Exp Stn N C State Univ Raleigh
Bull Agric Exp Stn Univ Del
Bull Agric Ext Stn Utah State Univ
Bull Am Assoc Public Health Dentists
Bull B Agric Exp Stn Okla State Univ
Bull Balai Penelitian Perkebunan Medan
Bull Biol Fr Belg
Bull Br Mus Nat Hist Bot
Bull Br Mus Nat Hist Entomol
Bull Br Mus Nat Hist Zool
Bull Calif Dep Water Resour
Bull Calif Water Pollut Contr Assoc
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Entomol Soc Can
Bull Environ Contam Toxicol
Bull Epizoot Dis Afr
Bull Gov For Exp Stn (Tokyo)
Bull ICID (Int Comm Irrig Drain)
Bull INACOL (Inst Natl Amelior Conserves Legumes)
Bull Inf CORESTA (Cent Coop Rech Sci Relat Tab)
Bull Inst Chem Res Kyoto Univ
Bull Inst Zool Acad Sin
Bull La State Univ Agric Mech Coll Dep Agron Agric Exp Stn
Bull Math Biophys
Bull Miss Agric For Exp Stn
Bull North Scotl Coll Agric
Bull OEPP (Organ Eur Mediterr Prot Plant)
Bull Off Int Epizoot
Bull Pa State Univ Coll Agric Agric Exp Stn
Bull Soc Entomol Fr
Bull Soc R For Belg
Bull Soc Sci Hyg Aliment
Bull Soc Sci Vet Med Comp Lyon
Bull Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn Storrs
Bull Tohoku Natl Agric Exp Stn
Bull Univ R I Agric Exp Stn
Bull Univ Tenn Agric Exp Stn
Bull Wash (State) Agric Exp Stn
Bull Wash State Univ Ext Serv
Bull Wildl Dis Assoc
(Bulletin) Univ Conn Coop Ext Serv
C Coop Ext Serv Kans State Univ
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Seances Soc Biol Fil Publ Concours Cent Natl Rech Sci
Cac Suc J G B
Cacau Atual
Cah Cent Tech Bois, Ser Iv Organ Entrep Quest Econ
Cah Med Vet
Cah Nat
Cah Ser Hydrol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cajanus
Calcif Tissue Res
Calif Agric
Calif Plant Pathol Univ Calif Agric Ext
Calif Vet
Can Entomol
Can Farm Econ
Can For Ind
Can J Afr Stud

Can J Anim Sci
Can J Biochem
Can J Bot
Can J Chem
Can J Genet Cytol
Can J Microbiol
Can J Public Health
Carbohydr Res
Caryologia
Cattleman
Cell Mass Inst Technol
Cell Tissue Res
Cellul Chem Technol
Cereal Foods World
Cereal Sci Today
Cerrado
Champignon
Chem Commun
Chem Ind (Dusseldorf)
Chem Ind (Tokyo)
Chem Ing Tech
Chem Spozyw
Chem Tech (Amsterdam)
Chromosoma
Chrysanthemum
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Estac Exp Agric (Tucuman)
Circ Inst Pesqui Agropecu Leste
Circ Minist Agric Escrit Pesqui Exp Inst Pesqui Exp Agropecusul (Pelotas)
Circ N C Agric Ext Serv
Citrograph
Citrus Ind
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clean Air (Brighton Engl)
Clin Vet
CMI Descr Pathog Fungi Bact (Commonw Mycol Inst)
CNI Weekly Rep
Coconut Bull
Collect Czech Chem Commun
Commercial Kitchen & Dining Room
Commonw For Rev
Comp Biochem And Physiol
Compost Sci
Consultant
Consumer Regist
Coop Econ Insect Rep
Cornell Hotel Restaurant Admin Quarterly
Cotton Grow Rev
Cotton Int Ed
Cow Moos
Cranberries
Crop Bull Can Grain Comm Grain Comm Res Lab (Winnipeg)
Crop Sci
Crops Soils
Ctry Life
Cuad Bot Canaria
Cukoripar
Cultivar
Curr Sci
Cytobiologie
Dairy Farmer
Dairy Ind
Dairy Sci Handb
Dan Erhvervsfjerkrae
Dan Pelsdyravl
Delt Ellin Ktiniatr Etair
Dev Biol
Dev Change
Dev Grow Differ
Dev Stud Univ Reading Dep Agric Econ
Dokl Biochem
Dokl Vses Akad S-kh Nauk
Down Earth
Driemaand Publ Belg Inst Ver
Drobiarstwo
Dtsch Agrartech
Dtsch Baumsch
Dtsch Molk Ztg
Ecol Monogr
Ecol Res Ser EPA U S Environ Prot Agency
Econ Res Rep Dep Econ N C State Univ Raleigh
Educ Dig
Ekon Poljopr
Electron Microsc Enzymes
Elelmez Ipar
Elev Insemination
Empress Chinchil
Endeavour
Endocrinology
ENT Univ Ky Coll Agric Coop Ext Serv
Entomol Mem
Entomol Rec J Var
Entomophaga
Environ Child Health
Environ Conserv
Environ Entomol
Environ Monit Ser EPA U S Environ Prot Agency
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Sci Res
Erdo
ERS U S Dep Agric Econ Res Serv
Ethnol
Ethnos
Eur J Biochem
Eur J Pharmacol
Europ J Immunol
Evolution
Exp Anim
Exp Cell Res
Exp Gerontol
Exp Husb
Exp Parasitol
Exp Rep Equine Health Lab
Experientia
Experientiae
Explot Agrar
Ext Bull Agric Ext Serv Univ Minn
Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Ext Bull Dep Agric South Aust
Ext Bull E Coop Ext Serv Mich State Univ
Ext Circ Coop Ext Serv Coll Agric Wash State Univ
Ext Circ Coop Ext Serv Univ N H
Ext Circ Ext Serv Oreg State Univ
Ext Fol Agric Ext Serv Univ Minn
Ext Leafl L Ohio State Univ Ext Serv
Ext Serv Circ Fed Ext Serv U S Dep Agric
Fact Sheet Oreg State Univ Ext Serv
Fam Econ Rev
Fam Health
FAO Agric Dev Pap
FAO Nutr Newslett
Farm Econ (Pa State Univ)
Farm Fact
Farm Lett
Farm Mach
Farm Manage
Farmers Bull U S Dep Agric
Farming Mech
Faserforsch Textiltech
FAS-M U S Foreign Agric Serv
Fast Food
FATUS (Foreign Agric Trade U S)
Fauna, Nor Zool Foren Tidsskr
FCS Res Rep Farmer Coop Serv U S Dep Agric
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Feedlot Manage
Feldwirtschaft
Feline Pract
Fennia
Fert News
Fert Prog
Fert Solu
Fette Seifen Anstrichm
Finn Chem Lett
Fire Control Notes
Fleischwirtschaft
Flora Fauna
Flora Iran
Florists Rev
Flower Nursery Rep Commer Grow Coop Ext Univ Calif
Focus Beef
Foldr N C Agric Ext Serv
Folia For
Folia Histochem Cytochem
Foll Tec Inst Nac Invest Agric
Food and Nutr News
Food Management
Food Nutr
Food Prod Dev
Food Serv
Food Technol
Food Technol Aust
Food Technol N Z
Foodserv Equip Dealer
For Chron
For Comm Res Dev Pap (Lond)
For Prod J
For Sci
For Serv Res Pap Wo U S Dep Agric
For Tree Ser Commonw Aust Dep Natl Dev For Timber Bur
Forecast Home Econ
Foreign Agric Circ, Cocoa FCB (U S Dep Agric)
Foreign Agric Circ, Cotton F C (U S Dep Agric)
Foreign Agric Circ, Dairy FD (U S Dep Agric)
Foreign Agric Circ, Grains FG, U S Dep Agric Foreign Agric Serv
Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)
Foreign Agric Circ, Poult FPE (U S Dep Agric)
Foreign Agric Circ, Tob FT (U S Dep Agric)
Foreign Agric U S Foreign Agric Serv
Fortschrittsber Landwirtsch Nahrunguterwirtsch
Fragm Entomol
Fresenius Z Anal Chem
Freshwater Biol
Friesia
Fruit Belg
Fruit Situation
Fruits
Fruits & Abeilles
Frutticoltura
FS (Am Wood) U S For Serv
Fungic Nematic Tests
G Bot Ital
Ga For Res Pap
Gac Colmenar
Gard Bull Singapore
Gard J
Gartenbau
Gaz Agric (Luanda)
Gaz Apic
Gaz Cukrow
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Geoderma
Gewasbescherming
Ghana J Sci
Gorskostop Nauka
Gorteria
Gospod Miesna
Great Plains Agric Counc Publ
Ground Water
Grundforbattring
Grundlagen Landtech
Grune
Handb Veg Sci
Hawaii Plant Rec
Health Phys
Heart Briefs
Herba Pol
Hilgardia
Histochemie
Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv
Hoards Dairym
Hog Farm Manage
Holz Roh Werkst
Holzindustrie
Holztechnologie
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Hortic Vitic Sci
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Hydrobiologia
I C A Informa (Inst Colomb Agropecu)
I I R B (Inst Int Rech Better)
Idaho Agric Res Prog Rep
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Indian J Agric Sci
Indian J Anim Sci
Indian J Biochem
Indian J Chem
Indian J Dairy Sci
Indian J Exp Biol
Indian Phytopathol
Indian Poult Gaz
Indian Silk
Indian Vet J
Indus
Inf Agric (Paris)
Inf Fitopatol
Inf Lett F A O Plant Prot Comm Southeast Asia Pac Reg FAO Reg Off Asia Far East
Inf Rep FMR-X For Manage Inst Can For Serv
Inf Rep M-X Marit For Res Cent (Frederection N B)
Inf Ser N Z Dep Sci Ind Res
Inf Sheet Miss State Univ Agric For Exp Stn
Inf Sobre Grasas Aceites
Infect Immun
Insects Micronesia
Insects Soc
Instit Distrib
Int Arch Allergy Appl Immunol
Int Holzmarkt
Int J Appl Radiat Isot
Int J Biochem
Int J Biometeorol
Int J Environ Stud
Int J Vitam Nutr Res
Int Rev Cytol
Int Symp Fytofarm Fytiat
Int Z Landwirtsch
Inten Agric
Interdep Publ ID Univ Ky Coop Ext Serv
Invest Inf Text Tens
Ir Vet J
Iran J Plant Pathol
Irrig Age Hereford
Irrig Power
Isr Agric
Izv Akad Nauk BSSR, Ser Biol Nauk
J Agric Chem Soc Jap
J Agric Eng
J Agric Sci (Camb)
J Agric West Aust
J Am Anim Hosp Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Oil Chem Soc
J Am Water Works Assoc
J Amer Med Assoc
J Appl Behav Anal
J Appl Meteorol
J Appl Polym Sci
J Arboric
J Arnold Arbor
J Aust Entomol Soc
J Biol Chem
J Biomech
J Cell Biol
J Chem Soc, Perkin Trans I
J Chin Agric Chem Soc
J Chin Chem Soc
J Chromatogr
J Colloid Interface Sci
J Dairy Sci
J Econ Entomol
J Endocrinol
J Environ Health
J Exp Zool

J Fac Agric Kyushu Univ
J Fac Educ Tottori Univ Nat Sci
J Fish Res Board Can
J Flour Anim Feed Milling
J Food Sci
J Food Sci Tech (Tokyo)
J For
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Helminthol
J Hered
J Histochem Cytochem
J Hokkaido For Prod Res Inst
J Home Econ
J Hortic Sci
J Hydrol
J Hyg
J Insect Physiol
J Jap Bot
J Jap Vet Med Assoc
J Jap Wood Res Soc
J Lepid Soc
J Membr Biol
J Microsc (Paris)
J Milk Food Technol
J Mol Biol
J Nematol
J Parasitol
J Pathol (Edinb)
J Phycol
J Physiol
J Polym Sci, Part B Polym Lettr
J Proc R Soc N S W
J R Hortic Soc
J R Soc N Z
J Reprod Fertil
J Sch Health
J Sci Ind Res
J Sci Soil Manure
J Soc Dairy Technol
J Soil Sci
J Sports Turf Res Inst
J Steroid Biochem
J Submicrosc Cytol
J Suisse Apicul
J Text Inst
J Theor Biol
J Virol
J Wash Acad Sci
J Water Pollut Control Fed
J Wildl
Jap J Anim Reprod
Jap J Breed
Jap J Ecol
Jap J Genet
Jap J Vet Sci
Jap J Zootech Sci
Jarmuvek, Mezogazd Gepek
JARQ (Jap Agric Res Q)
JEI (J Econ Issues)
JNKVV Res J (Jarwaharlal Nehru Krishi Vishwa Vidylaya)
Jordbruksekon Medd
Kemia-Kemi (Helsinki)
Kew Bull
Khim Drev
Khim Sel'sk Khoz
Kiserl Kozl (Budap)
Kosmos
L Coop Ext Serv Kans State Univ
La Agric
La Vie Agric Meuse
Lab Anim Sci
Lab Invest
Land Forstwirtsch Forsch Osterr
Landbo Nyt
Landwirtschaftl Jahrb Schweiz
Lantbrukshogsk Medd, B (Upps)
Lantbrukshogsk Medd, Ser A
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Leafl Coop Ext Serv Univ Ga Coll Agric
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Letzeburger Beien Ztg
Lichenologist
Life Sci
Limnol Oceanogr
Lipids
Livest Meat Situation
Lloydia
L'Ouest Apic
Magy Allatorv Lapja
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Malay Nat J
Malays Agric Res
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Mark Bull U S Dep Agric
Mark Res Rep U S Dep Agric Econ Res Serv
Maydica
Meat Ind Res Conf
Mec Electrif Agrig
Mech Roln
Med Parazitol Parazit Bolezn
Medd Nor Inst Skogforskning
Meded Fac Landbouwwet Rijksuniv Gent
Mediteranee
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Mex Sus Bos
Mich Bot
Mich Farm Econ
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Milchwissenschaft
Milk Ind
Minerva Dietol
MIRINZ Meat Indus Res Inst N Z
Misc Bryol Lichenol
Misc Publ U S Dep Agric
Misc Study U(iv Reading Dep Agric Econ
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt Bundesforschungsanst Forst Holzwirtsch
Mitt DLG (Dtsch Landwirtsch Ges), Ausg A
Mitt Dtsch Dendrol Ges
Mitt Forstl Bundes-Versuchsanst Wien
Mitt Rebe Wien Ostbau Fruchteverwert
Mitt Versuchsstn Garungsgewerbe Wien
Mod Vet Pract
Modern Schools
Mol Gen Genet (MGG)
Molini Ital
Molk-Ztg Welt Milch
Mon Bull Bermuda Dep Agric Fish
Mondo Latte
Monit Zool Ital
Monogr INIA (Inst Nac Invest Agrar)
Mosq News
MP Univ Md Agric Exp Stn
Mt Grow
Muhle Mischfuttertech
Mukomol'no Elevat Prom-st'
Mushroom J
Mycologia
Myforest
N D Res Rep
N S W Dairyman
N Z J Agric Res
N Z J Exp Agric
N Z J Zool
Nachrichtenbl Dtsch Pflanzenschutzd
Nat Mus
Nat Res J
Natl Cac Suc J
Natl Food Situation
Natl Pest Control Oper News
Naturalist
Nature
Nauch Dokl Vyssh Shk, Biol Nauk
Naunyn Schmiedbergs Arch Pharmakol
Nebr Tractor Test
Ned Bosbouw Tijdschr
Neth J Plant Pathol
Neue Bienenzucht
New Engl J Med
New Sci (London)
New York Times Mag
News Farmer Coop
News N J Beekeep Assoc
Newsl Assoc Natl Agric Libr
Niab Veg Grow Leafl (Natl Inst Agric Bot)
NIZO Rapp (Ned Inst Zuivelonderz Ede)
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Ochr Rosl
Oecol Plant
Oecologia
Ohio J Sci
Ohio Rep Res Dev Agric Home Econ Nat Resour
Oil Palm News
Oils Oilseeds J
Okla Curr Farm Econ
Oleagineux
Ontogenez
Orchard N Z
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Oriental Insect
Orquideologia
OSU Ext Facts (Okla State Univ)
Outstate Test Circ Nebr Agric Exp Stn
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PA U S Dep Agric
Pak J For
PANS Pest Artic News Summ
Pap Puu
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Parasitology
Pastor Rev
Pathol Microbiol
Paysans
Peanut Farmer
Peanut J Nut World
Pedologist
Pest Control
Pestic Biochem Physiol
Pflugers Arch
Photochem Photobiol
Photogramm Eng
Physiol Biochem Cultiv Plants
Physiol Plant
Phytochemistry
Phytoma
Phytopathol Z
Phytopathology
Phytophylactica
Pig Farming
Plant Dis Rep
Plant Med
Plant Physiol
Plant Sci Bull
Plant Soil
Planta
PM Coop Ext Serv Iowa State Univ
PNW Bull (Pac Northwest Coop Ext)
Pochvovedenie
Pochvozn Agrokhim
Pol Arch Hydrobiol
Pol Pismo Entomol
Pollen Spores
Polym Sci U S S R
Pomol Fr
Poult Egg Situation
Poult Ind
Poult Sci
Preslia
Proc Acad Nat Sci Phila
Proc Annu Conf Manit Agron
Proc Annu Conv Southeast Pecan Grow Assoc
Proc Annu Meet Gen Soc West Branch Can Soc Anim Prod
Proc Can Phytopathol Soc
Proc Electron Micros Soc Am
Proc Entomol Soc Wash
Proc Fla State Hortic Soc
Proc Indian Sci Congr
Proc Inst Food Sci Technol (U K)
Proc Linnean Soc N S W
Proc N Z Ecol Soc
Proc Natl Acad Sci U S A
Proc R Entomol Soc Lond, Ser A Gen Entomol
Proc RRIM Planters Conf (Rubber Res Inst Malaya)
Proc Soc Exp Biol Med
Proc Soil Sci Soc Am
Proc Trans Br Entomol Nat Hist Soc
Prod Agric Fr
Prod Publ Assoc Off Seed Certifying Agencies
Prog Agric Ariz
Prog Agric Vitic
Prog Rep Pa State Univ Agric Exp Stn
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Przegl Mlecz
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Psyche
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Publ Agric Can
Publ Dep Environ Can For Serv
Publ Ext Div Va Polytech Inst State Univ
Publ For Prod Lab Tex For Serv
Publ Health Curr
Publ N Z Meat Wool Boards Econ Serv
Publ R Univ Wis Coll Agric Life Sci
Pulp & Pap Can
Punjab Hortic J
Q Bull Assoc Food Drug Off U S
Q J Chin For
Q J Exp Physiol Cogn Med Sci
Q Serv Farm Ranch Home Univ Nebr Coll Agric Home Econ
Qual Plant Plant Foods Human Nutr
Queensl Herb Contrib Queensl Herb
Queensl J Agric Anim Sci
Quick Frozen Foods
R T I A (Rev Tech Econ Ind Aliment)
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Radiobiologiia
Rapp IB (Inst Bodemvruchbaar Haren Gr)
Rapp Inst Virkeslara Skogshogsk (Stockh)
Rapp Uppsats Inst Skogsgenet Skogshogsk (Stockh)
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Rass Chim
Rassenber IVRO Wageningen (Inst Rassenonderz Landbouwgewassen)
Rastenievud Nauk
Rastit Resur
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Recht Landwirtsch
Recl Med Vet
Reinwardtia
Rep Anim Breed Res Organ Agric Res Counc
Rep Water Resour Cent Calif Univ
Res Bull Nebr Agric Exp Stn
Res Bull Ohio Agric Res Dev Cent
Res Bull Univ Ga Coll Agric Exp Stn
Res Bull Univ Mo Columb Coll Agric Agric Exp Stn
Res Circ Ohio Agric Res Dev Cent
Res J Mahatma Phule Agric Univ
Res Note INT U S Dep Agric For Serv Intermt For Range Exp Stn
Res Note NC USDA For Serv North Cent For Exp Stn For Serv U S Dep Agric
Res Notes B C For Serv
Res Rep Inst For Genet (Suwon)
Res Rep Mont Agric Exp Stn Mont State Univ
Res Rep N H Agric Exp Stn
Res Rep P OSU Agric Exp Stn (Okla State Univ)
Res Rep Ser Bangladesh Inst Dev Econ
Res Rep Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn
Res Rep Univ Ga Coll Agric Exp Stn
Res Summ Ohio Agric Res Dev Cent
Respir Physiol
Results Probl Cell Differ
Rev Agric (Brux)
Rev Agric (Piracicaba)
Rev Asoc Argent Criad Cerdos
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Rev Elev Med Vet Pays Trop
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Rev Med Vet (Toulouse)
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Rocz Nauk Roln, Ser A Prod Rosl
Rocz Nauk Roln, Ser C Tech Roln
Rocz Nauk Roln, Ser F Melior Uzytkow Zielon
Rozpr Nauk Szk Gl Gospod Wiejsk (Warszawa)
S Afr For J
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Sadovod Vinograd Vinodel Mold
Sakh Prom-st'
Sante Abeille
Sb Vys Sk Zemed Praze Fak Agron, Rada A Rostl Vyroba
Sch Foodserv J
Schweiz Arch Tierheilkd
Schweiz Landtech Dtsch Ausg
Schweiz Z Obst Weinbau
Sci Agric
Sci Am
Sci Publ Freshwater Biol Assoc
Sci Rep Hyogo Univ Agric Fac Agric Kobe Univ
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Smithson Contrib Zool
Socioecon Environ Stud Ser EPA- US Environ Prot Agency Off Res Dev
Soil Conserv
Soil Sci
South Aust Nat
South Coop Ser
South Pac Bull
Southeast Asian J Trop Med Public Health
Sov Genet
Sov J Dev Biol
Sov Plant Physiol
Sov Prog Chem
Soybean Dig
Spec Circ Pa State Univ Ext Serv
Spec Rep Agric Home Econ Exp Stn Iowa State Univ Sci Tech
Spec Rep Oreg State Univ Agric Exp Stn
SRS U S Dep Agric Stat Rep Serv Crop Rep Board
SSSA Spec Publ (Soil Sci Soc Am)
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Stat Bull U S Dep Agric
State Serv Rep Univ N H Agric Exp Stn Anal Serv Lab
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Steroids
Stn Pap Univ Idaho Coll For Wildl Range Sci For Wildl Range Exp Stn
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Tech Bull Agric Res Serv U S Dep Agric
Tech Bull Fac Hortic Chiba Univ
Tech Bull Inl Waters Branch Dep Energy Mines Resour (Ottawa)
Tech Bull Okla Agric Exp Stn
Tech Bull T A R C (Trop Agric Res Cent)
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Tech Pap South Pac Comm
Tech Prog Rep Hawaii Agric Exp Stn Univ Hawaii
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Tetrahedron Lett
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Text Res J
Tierarztl Umsch
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Tijdschr Diergeneeskd
Tijdschr Ned Heidemaatsch
Timber Grow
Top Livest Farming
Torreia Dir Nac Zool Acuarios
Toxicol Appl Pharmacol
Toxicology
Training
Training Dev J
Trans Am Fish Soc
Trans ASAE Gen Ed (Am Soc Agric Eng)
Trans Br Mycol Soc
Trans Mycol Soc Jap
Trans R Entomol Soc Lond
Trans R Soc Trop Med Hyg
Tree Plant Notes
Trop Sci
Type A Topics
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap INT (U S Dep Agric Intermt For Range Exp Stn)
U S D A For Serv Res Pap NE (U S Dep Agric Northeast For Exp Stn)
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)
U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)
Ugeskr Agron Hortonomer
Ukr Biokhim Zh
Univ Kans Sci Bull
Univ Wash Arbor Bull
USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)
USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)
USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)
Utah Sci
VAE (Va Agric Econ)
Vcelar
Versl Landbouwk Onderz Cent Landbouwpubl Landbouwdoc
Versuchsergeb Bundesanst Pelanzenbau Samenpruf Wien
Vestis Latv PSR Zinat Akad
Vestn Cesk Akad Zemed
Vestn Leningr Univ Geol Geogr
Vestn Moskovsk Univ, Biol Pochvoved
Vestn Stat
Vet Arh
Vet Bull
Vet Glas
Vet Ital
Vet Pathol
Vet Rec
Vet Rev
Veterinaria
Veterinariia (Mosk)
Veterinarstvi
Vinodel Vinograd SSSR
Virology
Vitis
VM SAC (Vet Med Small Anim Clin)
Vopr Ekon
VP X Environ Can For Serv
W H O Chron
Water Resour Bull
Water Resour Res
Weed Res
Weed Sci
Weinberg Keller
Wellington
What's New Home Econ
Whats New Plant Physiol
Wien Tierarztl Monatsschr
Wilhelm Roux Arch Entwicklungsmech Org
Wines Vines
Wirtschseig Futter
Wood Ind
World Rev Anim Prod
Z Arbeitsgem Osterr Entomol
Z Ausl Landwirtsch
Z Lebensm Unters Forsch
Z Parasitenkd
Z Pflanzenzucht
Z Tierpsychol
Z Tierz Zuchtungsbiol
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Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt
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Zesz Nauk Zootech Akad Roln-Tech Olsztynie
Zhivotnovud Nauki
Zhivotnovudstvo
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

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Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into nine sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, and a personal author index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

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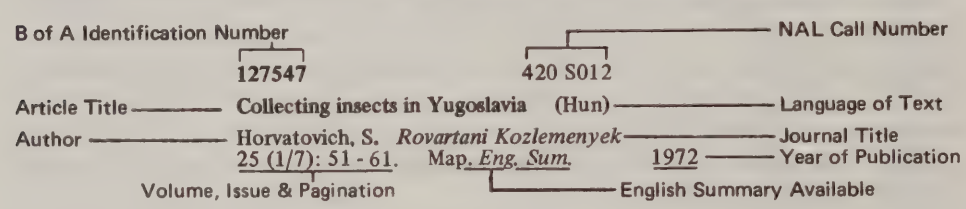
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Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

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(Bel)	**Belorussian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bul)	**Bulgarian**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Bur)	**Burmese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Chi)	**Chinese**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cro)	**Croatian**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Cze)	**Czech**	**(Jpn)**	**Japanese**	**(Spa)**	**Spanish**
(Dan)	**Danish**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
(Dut)	**Dutch**	**(Lat)**	**Latin**	**(Tha)**	**Thai**
(Est)	**Estonian**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
(Fin)	**Finnish**	**(Lit)**	**Lithuanian**	**(Ukr)**	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

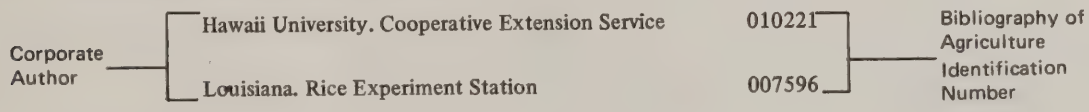
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

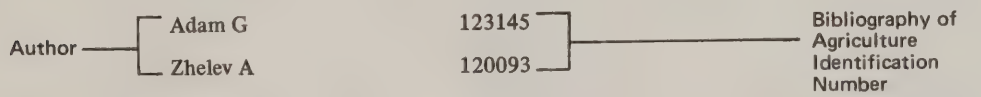
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$1.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A E Pap Okla State Univ Dep Agric Econ
Acad Agric Fr C R Seances
Acrida
Act Rep Res Dev Assoc Mil Food Packag Syst
Acta Agrar Silv, Ser Agrar
Acta Anat
Acta Biol, Nova Ser (Szeged)
Acta Chem Scand Ser B Org Chem Biochem
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Med Scand
Acta Microbiol Pol, Ser A Microbiol Gen
Acta Parasitol Pol
Acta Physiol Scand
Acta Vet
Acta Vet Scand
Acta Virol
Acta Zool Cracov
Acta Zootech
Adv Chem Phys
Adv Exp Med Biol
Adv Vet Sci Comp Med
AE Dep Agric Econ Rural Sociol Clemson Univ
Afinidad
Afrikanerbees J
Aging
AGR Ky Univ Dep Agron
Agrarpolitik Marktwesen
Agrartort Sz
Agrartud Kozl
Agric Asia
Agric Biol Chem
Agric Commer Ind PROSI (Publ Relat Off Sugar Ind)
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Econ Res
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Handb U S Dep Agric
Agric Inf Bull U S Dep Agric
Agric North Irel
Agric Pak
Agric Situation India
Agric Tec
Agrichem Age
Agricultura (Madr)
Agriculture (Paris)
Agrochemia (Bratisl)
Agrologist
Agron Lusit
Agron Mimeo Cornell Univ Dep Agron
Agron Trop (Paris)
Agronomia (Monterrey)
Agroservice
Agrosintesis
Ajia Keizai
Aktuel Lantbrukshogsk (Upps)
Alexanor
Algodon Mex
Alive Well
Allg Forstztg
Am Anthropol
Am Bee J
Am Dairy Rev
Am For
Am Honey Prod
Am J Anat
Am J Bot
Am J Clin Nutr
Am J Enol Vitic
Am J Obstetrics Gyn
Am J Public Health
Am J Vet Res
Am Mus Novit
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Amer J Clin Nutr
An Col Of Vet Prov
An Edafol Agribiol
An Soc Cient Argent
Anal Biochem
Andhra Agric J
Anim Breed
Anim Husb
Anim Prod
Anim Quar
Ann Acad Sci Fenn, Ser A, Iv Biol
Ann Accad Ital Sci For
Ann Agron
Ann Appl Biol
Ann Bot
Ann Entomol Soc Am
Ann Inst Pasteur (Paris)
Ann Med Vet
Ann Nutr Aliment
Ann Sci For
Ann Sci Nat Bot Biol Veg
Ann Sci Text Belg
Ann Soc Entomol Fr
Ann Tech Agric
Ann Trop Med Parasitol
Ann Zool Ecol Anim
Ann Zootech
Annee Biol
Annu For Symp La State Univ Div Contin Educ
Annu Prog Rep Rice Exp Stn (Crowley)
Annu Rep Bean Improv Coop
Annu Rep Coll Agric Agric Exp Stn Univ Ky
APE, Riv Svizz Apic
Apiacta
Apic Mod
Appl Biochem Microbiol
Appl Entomol Zool
Arboric Fruit
Arch Biochem Biophys
Arch Internal Med
Arch Latinoam Nutr
Arch Med Vet
Arch Mikrobiol
Arch Neurol
Arch Roum Pathol Exp Microbiol
Arch Tierernahr
Arch Virol
Arch Zool Exp Gen
Arctic
Arkansas Farm Res
Arq Inst Biol (Sao Paulo)
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ASC Dep Anim Sci Univ Ky Coll Agric Coop Ext Serv
ASCS Background Inf BI (Agric Stab Conserv Serv)
Astarte
Atmos Environ
Atti Accad Naz Lincei, Ser Ottava Rend Cl Sci Fis Mat Nat
Atti Mem Accad Agric Sci Lett Verona, Ser VI
Audiovisual Instruction
Ausbild Berat Land Hauswirtsch
Aust For Ind J
Aust J Biol Sci
Aust Nat Hist
Aust Vet J
Avian Dis
Avian Pathol
Avic Ind
B Coop Ext Programs Univ Wisc
Bakers Dig
Baromfiipar
Baromfitenyesztes
Behaviour
Beitr Biol Pflanz
Beitr Entol
Beitr Tabakforsch
Belg Apic
Ber Plantenziektenkd Dienst (Wageningen)
Beret Landsudv Fjerkreavlen
Berl Munch Tierarztl Wochenschr
Bhagirath
Biatas, The Tillage Farmer
Bibl Wiad IMUZ (Inst Melior Uzytkow Zielon)
Biene
Bienenvater
Big Farm Manage
Bio Systems
Biochem J
Biochim Biophys Acta
Biochimie
Biol Bull
Biol Chem Vyz Zvirat
Biol Neonate
Biol Pr, Vydavatelstvo Slov Akad Vied
Biol Unser Zeit
Biol Zentralbl
Biologia
Bitki Koruma Bul
Biul Cent Lab Technol Przetworst Prezechowaln Zboz Warsz
Biul Inst Ziemniaka
Biull Moskovsk O Va Ispyt Prir, Otd Biol
Biull Vses Inst Eksp Vet
Blyttia
Bol Of Sanit Panam
Bol Tec MAC (Minist Agric Cria Caracas)
Boll Chim Farm
Bot Gaz
Bot Mag
Bot Monogr
Bot Zh
Br Bee J
Br J Nutr
Br Med J
Br Nutr Found Bull
Br Vet J
Brauwissenschaft
Brew Dig
Broil Ind
Broteria, Ser Cienc Nat
Bryologist
Budownictwo Wiejsk
Bull Agric Chem Insp Stn (Tokyo)
Bull Agric Ext Stn Utah State Univ
Bull Agric Rwanda
Bull Am Mus Nat Hist
Bull Anc Eleves Ec Meun ENSMIC (Ec Natl Super Meun Ind Cereal
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Conn Agric Exp Stn New Haven
Bull Coop Ext Serv Ohio State Univ
Bull Dep Agric Res R Trop Inst (Amst)
Bull Entomol Res
Bull Environ Contam Toxicol
Bull Gov For Exp Stn (Tokyo)
Bull Hokuriku Agric Exp Stn
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inf Rizic Fr
Bull Inst Chem Res Kyoto Univ
Bull Inst Int Froid
Bull Jap Soc Sci Fish
Bull Kanagawa Hortic Exp Stn
Bull Mens Soc Linn Lyon
Bull Minist Agric Lands (Malaysia)
Bull Miss Agric For Exp Stn
Bull Morris Arbor
Bull Off Int Epizoot
Bull Soc Chim Belg
Bull Soc Chim Fr
Bull Soc Entomol Fr
Bull Soc Hist Nat Toulouse
Bull Soc Pathol Exot Ses Fil
Bull Soc R Bot Belg
Bull Soc Sci Vet Med Comp Lyon
Bull South Calif Acad Sci
Bull Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn Storrs
Bull Tex Agric Exp Stn Coll Stn
Bull Torrey Bot Club
Bull Univ Tenn Agric Exp Stn
Bull Water Res Inst Appala Cent W Va Univ
Bull Water Resour Res Cent Va Polytech Inst State Univ
(Bulletin) Univ Conn Coop Ext Serv
Buvar
C Coop Ext Serv Kans State Univ
C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Seance Soc Biogeogr
Cah Ing Agron
Cah Med Vet
Cah ORSTOM Ser Oceanogr (Off Rech Sci Tech Outre-Mer)
Cah Ser Pedol ORSTOM (Off Rech Sci Tech Outre-Mer)
Calif Agric
Calif Rancher
Can Entomol
Can Inst Food Technol J
Can J Bot
Can J Chem
Can J Comp Med
Can J Plant Sci
Can J Zool
Can Med J
Canine Pract
Caryologia
Cell Differ

Cell Mass Inst Technol
Cell Tissue Res
Cellul Carta
Cereal Foods World
Cereal Rusts Bull Eur Mediterr Cereal Rusts Found
Ceres
Checklist Beetles Can U S Mex Cent Am West Indies North Am Beetle Fauna Proj
Chem Biol Interactions
Chem Commun
Chem Era
Chem Ind (Lond)
Chem N Z
Chem Pharm Bull
Chem Soc Rev
Chromosoma
Chron Hortic
Cienc Cult Soc Bras Para Progr Cienc
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Citrograph
Citrus Sub-Trop Fruit J
Clin Exp Immunol
Clin Vet
CNI Weekly Rep
Coconut Bull
Communautes Arch Int Sociol Coop Dev
Comp Biochem & Physiol C, Comp Pharmacol
Consumer Regist
Cooking for Profit
Coop Econ Insect Rep
Corn Annu
Coton Fibres Trop
Cotton Gin Oil Mill Press
CRC Crit Rev Food Technol (Chem Rubber Co)
Crop Bull Can Grain Comm Grain Comm Res Lab (Winnipeg)
Cryobiology
CSIRO Food Res Q
Ctry Life
Cuad Bot Canaria
Cukoripar
Cultiv Mod
Cultivar
Curr Top Microbiol Immunol
Cytogenet Cell Genet
Cytologia
Dairy Counc Dig
Dan Erhvervsfjerkrae
Dan Pelsdyravl
Dan Skovforen Tidsskr
Def Veg
Dep Vet Q S Roger Bellon
Depeche Ind Commer Agric
Dev Biol
Dev Biol Stand
Dev Stud Univ Reading Dep Agric Econ
Doc Carte Veg Alpes
Doc Tech Inst Natl Rech Agron Tunis
Dokl Acad Sci U S S R , Earth Sci Sect
Dokl Akad Nauk Az Ssr
Down Earth
Drobiarstwo
Drug Des
Dtsch Agrartech
Dtsch Forstm
Dtsch Milchwirtsch
Dtsch Molk Ztg
Dtsch Muller Ztg
Dtsch Pelztierz
DTW (Dtsch Tierarztl Wochenschr)
E S M Ohio State Univ Dep Agric Econ Rural Sociol
East Afr Agric For J
Ecol Monogr
Ecol Res Ser EPA U S Environ Prot Agency
Ecology (Durham)
Ecology (N Y)
Econ Agric
Econ Med Anim
Econ Plann
Educ Chem
Educ Dig
Effluent Water Treat J
Ekologiia (Sverdlovsk)
Ekon Sov Ukr
Elelmez Ipar
Elelmiszerviz Kozl
Elev Insemination
EM Coop Ext Serv Coll Agric Wash State Univ
Empress Chinchil
Entomol Ber (Amsterdam)
Entomol Gaz
Entomol Mem
Entomol Rec J Var
Entomol Rev
Entomol Scand
Entomol Z
Environ Child Health
Environ Monit Ser EPA U S Environ Prot Agency
Environ Physiol Biochem
Environ Pollut
Environ Prot Technol Ser EPA U S Environ Prot Agency
Enzyme
Equip Tips
Erdo
ERFA (Erdogazdasag Faipar)
Ernahrungswirtschaft
ERS U S Dep Agric Econ Res Serv
Essenze Deriv Agrum
Ethnol
Etud CNEEMA (Cent Natl Etud Exp Mach Agric)
Evol Biol
Exp Anim
Experientiae
Ext Bull Agric Ext Serv Univ Minn
Ext Bull Dep Agric South Aust
Ext Bull E Coop Ext Serv Mich State Univ
Ext Fol Agric Ext Serv Univ Minn
Ext Serv Rev U S Dep Agric
FAO Nutr Meet Rep Ser
FAO Nutr Newslett
Farm Build Dig
Farm Food Res
Farm J (Calcutta)
Farm Manage
Farmer Parliament
Farmers Bull U S Dep Agric
Farmers Newsl
Fast Food
FATUS (Foreign Agric Trade U S)
FCS Inf U S Dep Agric Farmer Coop Serv
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feldwirtschaft
Feline Pract
Fert News
Field Notes U S For Serv
Fire Control Notes
Fiziol Rast (Mosk)
Fiziol Zh SSSR
Fjaderfa
Fjorfe
Fleisch
Fleischerei
Fleischwirtschaft
Flora U S S R
Florists Rev
FNS U S Dep Agric Food Nutr Serv
Foldr N C Agric Ext Serv
Folia Biol (Praha)
Folia Entomol Mex
Folia Morphol
Folia Parasit
Food and Nutr News
Food Cosmet Toxicol
Food Management
Food Manuf
Food Nutr
Food Nutr Notes Rev
Food Process Ind
Food Prod Dev
Food Res Inst Stud Agric Econ Trade Dev
Food Serv
Food Serv Mark
Food Technol Aust
Food Technol N Z
For Notes
For Prod J
For Serv Res Pap Wo U S Dep Agric
Forderungsdienst
Forecast Home Econ
Foreign Agric Circ FTEA U S Foreign Agric Serv
Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)
Foreign Agric Circ, Sugar FS (U S Dep Agric)
Foreign Agric Circ, Tob FT (U S Dep Agric)
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forestry
Forsch Sitzungsber Akad Raumforsch Landespl
Forsk Prakt
Forskningsresult Landsforen Kosthold Helse
Forst Holzwirt
Fruits
Fruits & Abeilles
Frutticoltura
Gac Vet
Garcia Orta Ser Bot
Gartenbau
Gartneryket
Gaz Agric (Luanda)
Gaz Apic
Gaz Cukrow
Gazdalkodas
Gemuse
Gen Ser Colo State Univ Exp Stn (Fort Collins)
Genet Pol
Genetics
Genio Rurale
Geobot Sel
Geoderma
Geol Surv Water Supply Pap
Geoponika
Gerontologist
Getreide Mehl Brot
Gewasbescherming
Gidrotekh Melior
Gig Sanit
Glean Bee Cult
Gordian
Gorskostop Nauka
Gorteria
Gosamvardhana
Gospod Miesna
Grasas Aceites
Great Plains Agric Counc Publ
Ground Water
Growth
Handb Physiol Am Physiol Soc
Harvard Bus Rev
Haven
Health Phys
Herba Hung
Herba Pol
Hereditas
Heredity
Hind Antibiot Bull
Hog Farm Manage
Holly Lett
Holz Roh Werkst
Holzforsch Holzverwert
Home Econ Res J
Home Gard Bull U S Dep Agric
Hopfenrundschau
Husdjur
Hydrotech Constr
Idojaras
Iheringia, Ser Zool
Ikon Misul
Ill Teacher
Imkerfreund
Immunochemistry
Immunogenetics
Immunology
In Afghanistan in the 1970's. L. Dupree & L. Albert, eds.
In Basic Mechanisms in Plant Morphogenesis; Report of Symposium
In Biology and Control of Soil-Borne Plant Pathogens International Symposium
In CENTO Seminar on Key Management Probl in the Mark, Distrib & Use of Fert (Cent Treaty Organization)
In Connective Tissues Biochemistry & Pathophysiology. R. Fricke & F. Hartmann, eds.
In Consumer Behavior Theory & Application
In Crop Physiology, some case histories. L. T. Evans, ed.
In Essays on Coffee and Economic Development
In Food Service Trends. C. E. Eshbach, ed.
In Lactation A Comprensive Treatise. B. L. Larson & V. R. Smith, eds.
In Pollution Ecology of Freshwater Invertebrates. D. W. Hart, Jr. & S. L. H. Fuller, eds.
In Polyploidy & Induced Mutations in Plant Breeding Proceedings
In Proceedings Conference on Groundwater Pollution in Europe
In Proceedings International Symposium on Fertilization in Higher Plants
In Proceedings of the Annual NSF Trace Contaminants Conference (National Science Foundation)
In Proceedings of the Summer Institute on Biological Controlof Plant Insects & Diseases
In Proceedings Panel on the Practical Use of the Sterile-Male Technique for Insect Control
In Symposium on the Chemistry of Water Supply, Treatment, & Distribution
In Triticale: First Man-Made Cereal. C. C. Tsen, ed.
In Weather and Climate Modification. W. N. Hess, ed.
Ind Agrar
Ind Aliment Anim
Ind Azucar
Ind Obst Gemuseverwert
Indian Cof
Indian Dairym
Indian Farmers Dig
Indian Food Pack
Indian For
Indian Hortic
Indian J Agric Res
Indian J Agric Sci
Indian J Anim Health
Indian J Entomol
Indian J Ext Educ
Indian J Hortic
Indian J Med Res
Indian J Nutr Diet
Indian J Pharm
Indian J Power River Val Dev
Indian Phytopathol
Indian Sugar
Inf Agric (Paris)
Inf Card Clemson Univ Ext Serv
Inf Inst Skogsforbattring Skogstradsforadling
Inf Internes Agric
Inf Rep M-X Marit For Res Cent (Frederection N B)
Insects Soc
Inst Prod Florestais Cortica
Int Biodeterior Bull
Int Dental J
Int J Biochem
Int J Biometeorol
Int J Insect Morphol Embryol
Int J Parasitol
Int J Radiat Biol Relat Stud Phys Chem Med
Int Rev Cytol
Int Sugar J
Inten Agric
Ir Beekeep (An Beacaire)
Irrig Age Hereford
Irrigazione
Isr Export Trade J
Izv Akad Nauk Az SSR, Ser Biol Nauk
Izv Akad Nauk Tadzh SSR
Izv Akad Nauk Turkm SSR, Ser Fiz Tekh Khim Geol Nauk
Izv Timiriazevsk S-kh Akad
Izv Vyssh Uchebn Zaved, Pishch Tekhnol
J Agric Eng Res
J Agric Food Chem
J Agric Soc Trinidad Tobago
J Agric Tasman
J Agric Trop Bot Appl
J Agric Univ P R
J Am Chem Soc
J Am Diet Assoc
J Am Folklore
J Am Oil Chem Soc
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Am Water Works Assoc
J Anat
J Anim Morphol Physiol
J Anim Sci
J Appl Bacteriol
J Appl Chem
J Appl Ecol
J Appl Physiol
J Assoc Off Anal Chem
J Aust Inst Agric Sci
J Bacteriol
J Biol Stand
J Br Grassl Soc
J Cell Sci
J Chem Soc, Perkin Trans I
J Chem Soc, Perkin Trans II
J Chin Agric Chem Soc
J Chromatogr
J Chromatogr Sci

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

J Comp Pathol
J Comp Physiol
J Dental Res
J Ecol
J Embryol Exp Morphol
J Environ Syst
J Evol Biochem Physiol
J Exp Biol
J Exp Bot
J Fac Agric Hokkaido Univ
J Food Sci
J Food Sci Tech
J Food Technol
J For
J For Suisse
J Gen Appl Microbiol
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Home Econ
J Hortic Sci
J Immunogenet
J Indian Acad Wood Sci
J Indian Chem Soc
J Indian Soc Soil Sci
J Insect Physiol
J Inst Brew
J Jap Bot
J Jap Soc Hortic Sci
J Jap Vet Med Assoc
J Kans Entomol Soc
J Leisure Res
J Lipid Res
J Membr Biol
J Milk Food Technol
J Mol Biol
J Morphol
J Nat Hist
J Nutr
J Nutr Educ
J Nutr Sci Vitaminol
J Org Chem
J Pediatrics
J Pharm Belg
J Pharm Soc Jap
J Physiol
J Physiol (Paris)
J R Hortic Soc
J Range Manage
J Reprod Fertil
J Rubber Res Inst Malaya
J Sci Food Agric
J Small Anim Pract
J Soc Dairy Technol
J Soil Water Conserv
J Stored Prod Res
J Taiwan Agric Res
J Tenn Acad Sci
J Theor Biol
J Tokyo Univ Fish
J Ultrastruct Res
J Water Pollut Control Fed
J Yalova Hortic Res Train Cent
J Zool
Jap J Appl Entomol Zool
Jap J Parasitol
Jap J Vet Res
Jap J Zootech Sci
Jarmuvek, Mezogazd Gepek
K Skogs Lantbruksakad Tioskr
Kakteen Sukkulenten
Kalikasan Philipp J Biol
Kartoffelbau
Kehutanan Indones
Kem Tidskr
Kemia-Kemi (Helsinki)
Kenya Cof
Khim Sel'sk Khoz
Khlopkovodsto
Kleintier Prax
Kooperation
Kosmos, Ser A Biol
Kraftfutter
La Vie Agric Meuse
Lab Invest
Lait
Landbo Nyt
Landbouwkd Tijdschr
Landbouwmechanisatie
Landmasch Markt
Landscape Plann
Landtechnik
Lantbrukshogsk Medd, Ser A
Lantbrukstidskr Gavle Hushallningssallsk
Lantmannen
Laporan Dir Jenderal Kehutanan
Latte
Lav Arroz
Lavoura
Leafl Aust Dep Agric For Timber Bur
Leafl North Irel Advis Serv Minist Agric
Leafl U S Dep Agric
League Int Food Educ
Lebensm Ind
L'elevage
Lesn Cas
Lesn Khoz
Lesn Prom St'
Lesovod Agrolesomelior
Letzeburger Beien Ztg
Levende Nat
Life Sci
Light Gard
Lipids
Livest Prod Sci
Lloydia
Lohnunterne Land Forstwirtsch
Macaroni J
Madrono
Maelkeritidende
Magy Allatorv Lapja
Magy Kem Lapja
Magy Textiltech
Man Div Agric Sci Univ Calif Calif Agric Exp Stn Ext Serv
Marcellia
Mark Res Rep U S Dep Agric Econ Res Serv
Meat Ind Res Conf
Mech Roln
Med Counter Point
Med Insight
Med J Aust
Med Nor Myrselsk
Med Parazitol Parazit Bolezn
Med Weter
Med World News
Medd Jordbruk Utredningsinst
Medd Landokon Driftsbur (Kobenh)
Medd, Ser B Kungl Lantbruksstyr (Solna)
Meded Overdrukken Landbouw Econ Inst
Meded Zitt K Acad Overzeese Wet
Meieriposten
Mejeribrugets Uge-Nyt
Melanderia
Melsheimer Entomol Ser
Mem Gouv Que Minist Terres Forets Serv Rech
Menara Perkebunan
Methods Enzymol
Methods Membr Biol
Metod Zavad Vysled Vyzk Praxe
Mex For
Mezhdunar S-kh Zh
Mezogazd Tech
Mezogazd Vilagirodalom
Mich Bot
Mich Farm Econ
Microb Ecol
Micron
Mikrokosmos
Milchwissenschaft
Milk Ind
Mimeo Rep Fla Everglades Exp Stn (Belle Glade)
Minn For Res Notes
Minn Sci
MIRINZ Meat Indus Res Inst N Z
Misc Publ Coop Ext Serv Univ Hawaii
Misc Rep Minn Agric Exp Stn
Misc Univ Nac Tucuman Fac Agron Zootech
Mitt Entomol Ges Basel
Mitt Ges Biblioteksweb Dok Landbaues
Mitt Obstbauversuchsanst Alten Landes
Mitt Rebe Wien Ostbau Fruchteverwert
Mitt Schweiz Landwirtsch
Mod Vet Pract
Mol Gen Genet (MGG)
Molineria Panaderia
Molk-Ztg Welt Milch
Molochn Prom St
Mon Bull Bermuda Dep Agric Fish
Mondo Latte
MP Tex A M Univ Tex Agric Exp Stn
MP Univ Md Agric Exp Stn
Mt Grow
MTP Int Rev Sci Biochem Ser One (Med Tech Publ)
Muhle Mischfuttertech
Mutat Res
Mycopathol Mycol Appl
N Z Beekeep
N Z Fert J
N Z J Agric
N Z J For
N Z J Sci
N Z Vet J
Nat And Resour
Natl Food Situation
Natl Hum Rev
Natl Inst Anim Health Bull (Tokyo)
Natl Pest Control Oper News
Nature
Nauka Zemi Geol
Ned Bosbouw Tijdschr
New Engl J Med
New Phytol
New Sci (London)
News Farmer Coop
Newsl Indian Soc Nucl Tec Agric Biol
NIAB Farmers Leafl (Natl Inst Agric Bot)
NIBEM Jaarb (Natl Inst Brouwgerst Mout Bier TNO)
Nippon Kagaku Kaishi
NIZO Rapp (Ned Inst Zuivelonderz Ede)
Nor Hagetid
Nor Pelsdyrbl
Nor Skogind
North Staffordsh J Field Stud
Norw J Zool
Notes R Bot Gard Edinb
Nouv Avic
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Philipp J Nutr
Photogramm Eng
Photosynthetica
Phycologia
Physiol Behav
Physiol Plant
Physiol Plant Pathol
Phytochemistry
Phytopathology
Pig Farming
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Plant Med Phytother
Plant Prot Bull (Delhi)
Plant Prot Bull (Rome)
Plant Sci Lett
Planta
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PNW Bull (Pac Northwest Coop Ext)
Pochvozn Agrokhim
Pol Arch Weter
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Proc Grassl Soc South Afr
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Proc Natl Acad Sci U S A
Proc Nutr Soc
Proc R Soc Lond, B Biol Sci
Proc Rochester Acad Sci
Proc RRIM Planters Conf (Rubber Res Inst Malaya)
Proc Soc Exp Biol Med
Proc Wash State Entomol Soc
Proc West Resour Conf
Process Biochem
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Pub (Manit Dep Agric)
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Pulp & Pap Can
Q Bull Assoc Food Drug Off U S
Q Coop Ext Serv Univ Ariz
Q J R Meteorol Soc
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Quick Frozen Foods
R T I A (Rev Tech Econ Ind Aliment)
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Rev Fr Corps Gras
Rev Hortic Suisse
Rev ICA (Inst Colomb Agropecu)
Rev Invest Agropecu, Ser 5 Patol Veg
Rev Lait Fr
Rev Med Vet (Toulouse)
Rev Nutr Food Sci
Rev Suisse Vitic Arboric Hortic
Rev Theobroma
Rev UFA (Union Fed Coop Agric Suisses)
Rev Vet Can
Rev Vin Fr, Engl Lang Ed
Rev Vinic Int
Rev Zool Agric Pathol Veg
Rheinische Bienenztg

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Schlacht Viehhof Ztg
Schriftenr Ver Wasser Boden Lufthyg
Schweiz Arch Tierheilkd
Schweiz Bienen-Zeitung
Schweiz Z Obst Weinbau
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Smithson Contrib Bot
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SNE Communicator
Sociol Ruralis
Soil Biochem
Soil Conserv
Soil Sci
Solid Wastes
Southwest Vet
Sov Genet
Sov Plant Physiol
Sov Soil Sci
Soybean Dig
Soz Forstwirtsch
Spec Publ Coll Agric Univ Ill Urbana Champaign
Spec Rep Agric Home Econ Exp Stn Iowa State Univ Sci Tech
Spec Rep Oreg State Univ Agric Exp Stn
Specialmedd Upps Lantbrukshogsk Inst Lantbrukets Byggnadsteknik
Stat Bull U S Dep Agric
Stat Rep World Agric Prod Trade
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Sven Papperstidn
Sylwan
Symposium of the Society for General Microbiology
Synchronos Georgia
SYR Inf (Sver Yrkesfruktodl Riksforb)
Tabak
TAG (Theor Appl Genet)
Talanta
Tappi (Tech Assoc Pulp Paper Ind)
Tea Q (Ceylon)
Tec Molit
Tech Bull T A R C (Trop Agric Res Cent)
Tech Commun Dep Agric Tech Serv (Pretoria)
Tech Ind Cereal
Tech Lait
Tech Q Mast Brew Assoc Am
Tehnol Mesa
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Tenn Farm Home Sci Prog Rep
Teratology
Termeszet Vilaga
Tetrahedron
Tetrahedron Lett
Tex Rep Biol Med
Text Res J
Theriogenology
Tidskr Skogbruk
Tidskr Vastmanlands Hushallningssallsk
Tidskrift Alvsborgs Sodra Hushallningssallsk
Tierarztl Umsch
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Tijdschr Diergeneeskd
Tissue Cell
Tolvmandsbladet
Toxicol Appl Pharmacol
Toxicon
Tr Inst Mikrobiol Virusol
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Trans Biochem Soc
Trans Proc Bot Soc Edinb
Trav Lab For (Toulouse)
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Trop Geogr Med
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Turrialba
TVS Veg Situation Econ Res Serv U S Dep Agric
Type A Topics
U S D A For Serv Gen Tech Rep I N T U S Intermt For Range Exp Stn
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Uch Zap Leningr Univ, Ser Biol Nauk
Ugeskr Agron Hortonomer
Ukr Bot Zh
Umschau
Unser Milchvieh
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USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Ext Stn U S Dep Agric
USDA For Serv Gen Tech Rep FPL U S For Prod Lab
USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)
USGA Green Sect Rec
Utah Sci
Uzb Biol Zh
VAE (Va Agric Econ)
Var Foda
Vasterbotten
Vaxtskyddsnotiser
Vcelar
Vcelarstvi
Ved Pr Vysk Ustavu Zivoc Viroby Nitre
Veeproholland
Veroff Land- Hauswirtsch Auswertungs- Informationsdienst
Versl Landbouwk Onderz Cent Landbouwpubl Landbouwdoc
Vestn Leningr Univ Biol
Vestn S-kh Nauki (Mosc)
Vestn Stat
Vestsi Ser Sel'skagaspad Navuk Akad BSSR
VET Dep Vet Sci Univ Ky Coll Agric Coop Ext Serv
Vet Glas
Vet Rec
Veterinaria (Madr)
Veterinariia (Mosk)
Visn Sil's'kohspod Nauki
VM SAC (Vet Med Small Anim Clin)
Vopr Ekon
Vopr Virusol
Waldhygiene
Washingtonian
Weed Res
Weinberg Keller
WHO VBC
Wiad Ekol
Wiad Inst Melior Uzytkow Zielon
Wiad Parazytol
Wilhelm Roux Arch Entwicklunsmech Org
Wines Vines
Wiss Z Tech Univ Dres
Wood Ind
Wood Sci For Prod Res Soc (Madison)
Wool Technol Sheep Breed
World Anim Rev
World Crops
World Wood
Z Angew Entomol
Z Arbeitsgem Osterr Entomol
Z Bewasserungwirtsch
Z Pflanzenernahr Bodenkd
Z Tierpsychol
Z Zuckerind
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe B Hyg Prav Med
Zentralbl Veterinarmed, Reihe A
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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into nine sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, and a personal author index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

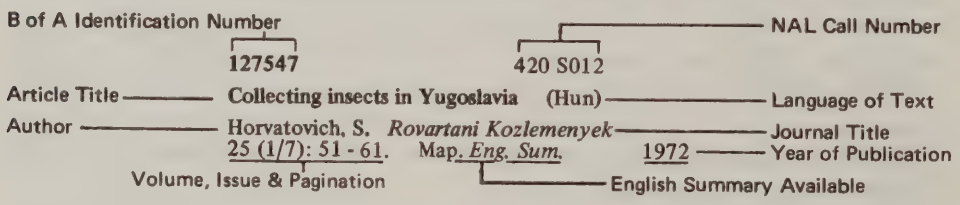
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	**Afrikaans**	**(Fre)**	**French**	**(Mac)**	**Macedonian**
(Alb)	**Albanian**	**(Geo)**	**Georgian**	**(Nor)**	**Norwegian**
(Arm)	**Armenian**	**(Ger)**	**German**	**(Pol)**	**Polish**
(Aze)	**Azerbaijani**	**(Gre)**	**Greek**	**(Por)**	**Portuguese**
(Bel)	**Belorussian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bul)	**Bulgarian**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Bur)	**Burmese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Chi)	**Chinese**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cro)	**Croatian**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Cze)	**Czech**	**(Jpn)**	**Japanese**	**(Spa)**	**Spanish**
(Dan)	**Danish**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
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(Est)	**Estonian**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
(Fin)	**Finnish**	**(Lit)**	**Lithuanian**	**(Ukr)**	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

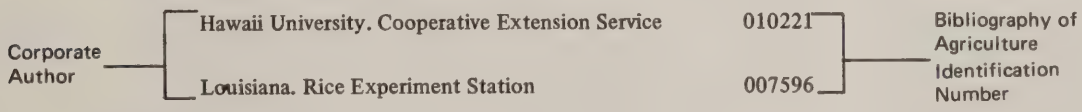
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

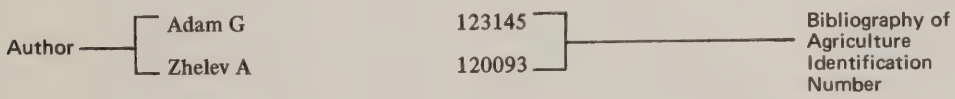
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A M A (Agric Mech Asia)
A P P S Newsl Aust Plant Pathol Soc
Acrida
Acta Agrar Silv, Ser Agrar
Acta Agrar Silv, Ser Zootech
Acta Anat Nippon
Acta Chem Scand Ser B Org Chem Biochem
Acta Endocrinol
Acta Entomol Jugosl
Acta Med Scand
Acta Pathol Microbiol Scand, Sect A Pathol
Acta Physiol Scand
Acta Phytotaxon Geobot (Kyoto)
Acta Trop
Acta Vet
Acta Vet (Budap)
Adv Parasitol
Adv Steroid Biochem Pharmacol
Advis Leafl Minist Agric Fish Food (Edinb)
Advis Leafl West Scotl Agric Coll
AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign
Aging
Agrar Rundsch
Agrarwirtschaft
Agric Agroind J
Agric Biol Chem
Agric Bull Saga Univ
Agric Econ Rep Dep Agric Econ Mich State Univ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Elev Morbihan
Agric Exp Stn Res Rep N M State Univ
Agric Handb U S Dep Agric
Agric Hist
Agric Hortic
Agric Inf Bull U S Dep Agric
Agric Ital
Agric Mach J
Agric North Irel
Agric Res
Agric Res Rev
Agric Situation (Washington)
Agric Technol
Agricoltura
Agricultura (Madr)
Agrochemia (Bratisl)
Agrochimica
Agrokhimiia
Agron J
Agron Lusit
Agron Trop (Paris)
Ajia Keizai
Alexanor
Alimenta
Alive Well
Allg Dtsch Imkerztg
Am Anthropol
Am Bee J
Am Coop, Am Inst Coop
Am For
Am J Agric Econ
Am J Bot
Am J Clin Nutr
Am J Obstetrics Gyn
Am J Physiol
Am J Trop Med Hyg
Am J Vet Res
Am Mus Novit
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Amer J Clin Nutr
AMS U S Dep Agric Agric Mark Serv
An Quim Real Soc Esp Fis Quim
An Soc Rural Argent
Anal Biochem
Anal Chim Acta
Anat Histol Embryol
Anat Rec
Anim Behav
Anim Husb
Ann Accad Naz Agric
Ann Appl Biol
Ann Arid Zone Arid Zone Res Assoc India
Ann Biol Anim Biochim Biophys
Ann Bogor
Ann Bot Fenn
Ann Genet Sel Anim
Ann Inst Pasteur (Paris)
Ann Microbiol Enzimol
Ann Parasitol Hum Comp
Ann Pharm Fr
Ann Phytopathol
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Ann Sci For
Ann Trop Med Parasitol
Ann Univ Ferrara, Sez IV Bot
Ann Univ Maria Curie Sklodowska, Sect C Biol
Ann Zool Fenn
Ann Zootech
Annot Zool Jap
Annu Rev Plant Physiol
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Anz Schadlingskd Pflanzenschutz
Apiacta
Apicultura
Apidologie
Appl Anim Ethology
Appl Microbiol
Appl Spectrosc
AR Agric Rec
Arb Osterreich Kurator Landtech
Arch Acker- Pflanzenbau Bodenkd
Arch Biochem Biophys
Arch Bot Biogeogr Ital
Arch Inst Razi
Arch Internal Med
Arch Lebensm Hyg
Arch Neurol
Arch Tierernahr
Arch Tierz
Arch Vet
Arch Virol
Arkh Anat Gistol Embriol
Arnoldia
ARS-NE U S Agric Res Serv Northeast Reg
Arzneim Forsch (Drug Res)
Asian Econ Rev
Atemschutz Inf
Atti Accad Naz Lincei, Ser Ottava Rend Cl Sci Fis Mat Nat
Aus Walde
Aust Beekeep
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Aust J Agric Econ
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Aust J Bot
Aust J Chem
Aust J Exp Agric Anim Husb
Aust J Plant Physiol
Aust Tob Grow Bull
Aust Vet J
Av Aliment Mejora Anim
Avic Ind
Beaufortia
Belg Apic
Belg Lait
Ber Dtsch Bot Ges
Ber Dtsch Landeskd
Ber Eidg Anstalt Forstl Vers
Ber Landwirtsch (Hamburg)
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Berita Selulosa
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Biol Plant
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Biologia, Ser A Bot
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Blatter Landtech
Bois Forets Trop
Boll Chim Farm
Bonsai J
Bot Jahrb Syst Pflanzengesch Pflanzengeogr
Bot Monogr Counc Sci Ind Res (New Delhi)
Bot Zh
Bothalia
Br J Exp Pathol
Br J Pharmacol
Br Med J
Br Nutr Found Bull
Bragantia
Branntweinwirtschaft
Brauwelt
Brew Dig
Brittonia
Broil Ind
Budownictwo Wiejsk
Bull Acad Pol Sci, Ser Sci Biol
Bull Acad Vet Fr
Bull Agric Exp Stn Auburn Univ
Bull B Agric Exp Stn Okla State Univ
Bull Br Mus Nat Hist Entomol
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Bull Coop Ext Serv Univ Ga Coll Agric
Bull Dep Agric Econ N D Agric Exp Stn N D State Univ Agric Appl Sci
Bull Environ Contam Toxicol
Bull Fac Agric Hirosaki Univ
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Bull Jap Soc Sci Fish
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Bull Miss Agric For Exp Stn
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Bull N M Agric Exp Stn
Bull Natl Inst Agric Sci, Ser A Phys And Stat
Bull Natl Sci Mus (Tokyo)
Bull OEPP (Organ Eur Mediterr Prot Plant)
Bull Off Int Epizoot
Bull Pac Trop Bot Gard
Bull Res Inst Polym Text
Bull Sci Inst Text Fr
Bull Sci, Sect A Sci Nat Tech Med Cons Acad Sci Arts RSF Yougosl
Bull Soc Bot Fr
Bull Soc Entomol Fr
Bull Soc R For Belg
Bull Soc Sci Hyg Aliment
Bull Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn Storrs
Bull Swed Inst Agric Eng
Bull Tokai Reg Fish Res Lab
Bull Trimest Soc Mycol Fr
Bull Univ Maine Orono Life Sci Agric Exp Stn
Bull W H O
Bull W Va Univ Agric Exp Stn
Bull Wash (State) Agric Exp Stn
Bull Water Resour Res Cent Va Polytech Inst State Univ
Butter Fat Solids
C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno
C R Acad Bulg Sci
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Seances Soc Biol Fil
C R Seances Soc Biol Fil Publ Concours Cent Natl Rech Sci
Cac Suc J G B
Cah Bleus Vet
Cah Ing Agron
Cah Med Vet
Cah Ser Hydrol ORSTOM (Off Rech Sci Tech Outre-Mer)
Calif West States Grape Grow
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Can Agric
Can Entomol
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Can Field Nat
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Chem Pharm Bull
Chem Phys Lipids
Chem Spozyw
Chromosoma
Chrysanthemum
Chung Hua Chih Wu Pao Hu Husueh Hui Plant Prot Bull
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Citrograph
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Clin Pediatrics
CNI Weekly Rep
Cocoa Grow Bull
Coconut Bull
Collect Czech Chem Commun
Commun Soil Sci Plant Anal
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Conn Greenhouse Newsl
Consumer Regist
Cooking for Profit
Coop Econ Insect Rep
Cow Moos
CRC Crit Rev Environ Control (Chem Rubber Co)
Crop Sci
Crops Soils
Cryobiology
Ctry Life
Cukoripar
Cult Dairy Prod J
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Div Food Res Tech Pap Commonw Sci Ind Res Organ Aust
Dokl Acad Sci U S S R , Earth Sci Sect
Dokl Akad Nauk SSSR
Dokl Vses Akad S-kh Nauk
Drobiarstwo
Drug Metab Rev
Dtsch Agrartech
Dtsch Lebensm Rundsch
Dtsch Milchwirtsch
Dtsch Molk Ztg
Dtsch Muller Ztg
DTW (Dtsch Tierarztl Wochenschr)
E H P (Environ Health Perspect) Exp Issue
Eatonia
Ecol Res Ser EPA U S Environ Prot Agency
Ecologist
Econ Bot
Econ Hist Rev
Econ Idaho Agric
Econ Politic
Educ Dig
Effluent Water Treat J
Ekol Pol
Ekon Poljopr
Ekon Rev
Ekon Sel'sk Khoz
Ekon Sov Ukr
Elelmiszerviz Kozl
Elev Insemination
Ellenike Kteniatr
Endeavour
Endocrinology
Entomol Am
Entomol Ber (Amsterdam)
Entomol Exp Appl
Entomol Mitt Zool Mus Hamb
Entomol Mon Mag
Entomol News
Entomol Rec J Var
Entomol Z
Entomophaga
Environ Child Health
Environ Conserv
Environ Entomol
Environ Monit Ser EPA U S Environ Prot Agency
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Res
Environ Sci Tech
Enzyme
Equip Dev Test Rep U S Dep Agric For Serv Equip Dev Cent (Calif)
ERS U S Dep Agric Econ Res Serv
Essenze Deriv Agrum
Estuarine Coastal Mar Sci
Ethnol
Etud Rurales Ec Prat Hautes Etud
Eur J Biochem
Eur J For Pathol
Eur J Pharmacol
Europ J Immunol
Exp Cell Res
Exp Hematol
Exp Mol Pathol
Exp Parasitol
Experientia
Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Ext Bull E Coop Ext Serv Mich State Univ
Faipar
FAO Nutr Newslett
Farm Chem
Farm Fact
Farm J (Calcutta)
Farming Mech
Fast Food
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feld Wald Wasser Schweiz Jagdztg
Feldwirtschaft
Fert Solu
Fette Seifen Anstrichm
Field Notes U S For Serv
Fitoterapia
Fiziol Rast (Sofiia)
Fleischwirtschaft
Florists Rev
Folia Biol (Praha)
Folia Microbiol
Food Management
Food Nutr
Food Nutr Notes Rev
Food Prod Dev
Food Serv
Food Serv Mark
Food Technol
Food Technol Rev
For Comm Res Dev Pap (Lond)
For Prod J
For Prot (Tokyo)
For Res what's new west
For Tree Ser Commonw Aust Dep Natl Dev For Timber Bur
Forecast Home Econ
Foreign Agric Circ, Dairy FD (U S Dep Agric)
Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)
Foreign Agric Circ, Seeds Ffvs (U S Dep Agric)
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forsch Berat, Reihe C, Wiss Ber Diskussionsbeitr
Forst Holzwirt
Forstarchiv
Forsttech Inf
Fragm Faun Pol Akad Nauk Inst Zool
Fruit Var J
Fruits
Frutticoltura
FVMPA Butter-Fat (Frazer Val Milk Prod Assoc)
G Alleva
Gard J
Gart Kleintierzucht, C Imker
Gemuse
Gen And Comp Endocrinol
Genet Res
Genetika
Genio Rurale
Geoderma
Geophytology
Geoponika
Gerontologist
Glasg Nat
God Zb Zemjod Sum Fak Univ Skopje
God Zb, 3 Biol Prir Mat Fak Univ Skopje
Gordian
Gospod Miesna
Grain & Farm Serv Cent
Great Lakes Entomol
Grune
Handb Erwerbsgartn
Harvard Bus Rev
Health Phys
Heart Briefs
Herba Hung
Herba Pol
Herbarist
Heredity (Tokyo)
Hilgardia
Hoards Dairym
Hodowla Rosl Aklim Inasiennic
Holzforschung
Holzindustrie
Holztechnologie
Home Gard Bull U S Dep Agric
Hopfenrundschau
Hortic Vitic Sci
Husipar
Hydrobiologia
Hydrol Pap Colo State Univ
Idaho Curr Inf Ser
Ikon Misul
Ikon Selskoto Stop
Ill Res
Ill Teacher
Im Blickfeld
Imkerfreund
Immunochemistry
Immunogenetics
Immunology
In Advances in Processing and Utilization of Forest Products. R. W. Rousseau, ed.
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In Communication Strategies for Rural Development Proc Cornell-CIAT International Symposium
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In Palaeoeconomy. E. S. Higgs, ed.
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In Polyploidy & Induced Mutations in Plant Breeding Proceedings
In Proc Int Symposium on Biomembranes Architecture, Biogenesis, Bioenergetics, and Differentiation
In Proceedings of a Symposium of European Chemoreception Resorg, Transduction Mech in Chemoreception
In Proceedings of a Symposium The Effect of Genetic Variance on Nutritional Requirements of Animals
In Proceedings of the International Symposium on Macromolecules
In Report Welsh Plant Breeding Station University College of Wales Aberystwyth
In Seminar on Problems of Agriculture in Uttar Pradesh
In Survival in Toxic Environments. M. A. Q. Khan, & J. P. Bederka, Jr., eds.
In Symposium on Isotope and Radiation Techniques in Soil Physics and Irrigation Studies
In Vitro J Tissue Cult Assoc
Ind Aliment
Ind Aliment Anim
Ind Lemnul
Ind Saccarif Ital
Indian Farm Mech
Indian Farming
Indian For
Indian For Bull For Res Inst
Indian J Agric Res
Indian J Agron
Indian J Chem
Indian J Nutr Diet
Indian J Physiol Pharmacol
Indian J Technol
Indian Pulp Pap
Indian Vet J
Inf Fitopatol
Inf Rep NOR-X North For Res Cent (Edmonton Alberta)
Infect Immun
Insect World Dig
Int Dental J
Int Fruit World
Int Holzmarkt
Int J Protein Res
Int J Radiat Biol Relat Stud Phys Chem Med
Int Sugar J
Int Z Landwirtsch
Iowa State J Res
Ir Vet J
Isr J Bot
Ital Agric
Izv Akad Nauk Turkm SSR, Ser Biol Nauk
Izv Timiriazevsk S-kh Akad
J Agric Assoc China
J Agric Econ Dev
J Agric (Melb)
J Agric Sci (Camb)
J Agric Sci (Setagaya)
J Agric South Aust
J Agric Trop Bot Appl
J Air Pollut Control Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Folklore
J Am Leather Chem Assoc
J Am Oil Chem Soc
J Am Soc Farm Manage Rural Apprais
J Am Vet Med Assoc
J Am Water Works Assoc
J Amer Med Assoc
J Anim Sci
J Apic Res
J Appl Meteorol
J Appl Physiol
J Appl Polym Sci
J Arboric
J Arnold Arbor
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Bromeli Soc
J Cell Biol
J Cell Physiol
J Cell Sci
J Chem Soc, Perkin Trans I
J Chromatogr
J Chromatogr Sci
J Colloid Interface Sci
J Comp Physiol
J Dairy Sci
J Dental Res
J Econ Entomol
J Electronmicrosc (Tokyo)
J Elisha Mitchell Sci Soc
J Endocrinol
J Entomol Ser A Physiol & Behav
J Entomol, Ser B, Taxon
J Environ Health
J Evol Biochem Physiol
J Exp Zool
J Ferment Technol
J Fish Res Board Can
J Flour Anim Feed Milling
J Food Sci Tech
J For
J Ga Entomol Soc
J Gen Appl Microbiol
J Gen Microbiol
J Gen Virol
J Hered
J Hokkaido For Prod Res Inst
J Home Econ
J Hydrol

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

J Hyg
J Hyg Epidemiol Microbiol Immunol
J Indian Chem Soc
J Indian Soc Agric Stat
J Insect Physiol
J Inst Anim Tech
J Invertebr Pathol
J Jap Soc Air Pol
J Jap Wood Res Soc
J Lepid Soc
J Mammal
J Membr Biol
J Microsc (Lond)
J Microsc (Paris)
J Milk Food Technol
J Morphol
J N Y Entomol Soc
J Natl Cancer Inst
J Nutr
J Nutr Educ
J Org Chem
J Peasant Stud
J Pediatrics
J Pharm Biopharm
J Pharm Soc Jap
J Physiol
J Polym Sci, Part A 1 Polym Chem
J Polym Sci, Part B Polym Lettr
J Reprod Fertil
J Res U S Geol Surv
J S Afr Bot
J Sci Food Agric
J Sci Soil Manure
J Soil Conserv Serv N S W
J Soil Sci
J Stored Prod Res
J Suisse Apicul
J Takeda Res Lab
J Text Inst
J Turk Phytopathol
J Ultrastruct Res
J Virol
J Water Pollut Control Fed
J Yamagata Agric For Soc
J Zool
Jap J Microbiol
Jap Pestic Inf
Jap Poult Sci
Kajitsu Nippon
Kakteen Sukkulenten
Kartofel Ovoschi
Kartoffelbau
Kasetsart J
Kehutanan Indones
Khim Sel'sk Khoz
Khlopkovodsto
Kobe Univ Econ Rev.
Konservn Ovoshchesushil Prom-st'
Kraftfutter
Lab Anim
Lab Anim Sci
Lab Anim United Bus Publ (N Y)
Lambillionea
Landbauforsch Volkenrode
Landmasch Rundsch
Landtechnik
Landwirtsch Forsch
Lantbrukshogsk Medd, Ser A
LC (Listy Cukrov)
Leafl Aust Dep Agric For Timber Bur
Leafl Coop Ext Serv Univ Arkansas Div Agric
Leafl Coop Ext Serv Univ Ga Coll Agric
Leafl North Irel Advis Serv Minist Agric
League Int Food Educ
Lebensm Ind
Lebensm Prax
Lesn Cas
Lesn Khoz
Lesn Prom St'
Lesn Zh Izv Vyssh Uchebn Zaved
Lesovedenie
Life Sci
List Avail Publ U S Dep Agric
Livest Breed J
Lohnunterne Land Forstwirtsch
Lucr Stiint Inst Cercet Pentru Nutr Anim
LWT (Lebensmitt Wissensch Technol)
M A F E S Res Highlights (Miss Agric For Exp Stn)
Macaroni J
Madras Agric J
Magy Allatorv Lapja
Malay Agric
Malays Agric J
Malomipar Termenyforgal
MARDI Res Bull (Malays Agric Res Dev Inst)
Mark Res Rep U S Dep Agric Econ Res Serv
Md Poultryman
Mech Ageing Dev
Mech Roln
Med Counter Point
Med Insight
Med J Aust
Med World News
Metabolism
Meteorol Gidrol
Metod Zavad Vysled Vyzk Praxe
Mezogazd Tech
Miasn Ind SSSR
Mich Acad
Mich Farm Econ
Microbiology
Microscope
Mikol Fitopatol
Milch Fettwirtsch
Milchwirtsch Ber Bundesanst Wolfpassing Rotholz
Milchwissenschaft
Mimeogr Ser Univ Arkansas Agric Exp Stn
Misc Bryol Lichenol
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt DLG (Dtsch Landwirtsch Ges), Ausg A
Mitt Forstl Bundes-Versuchsanst Wien
Mitt Obstbauversuchsanst Alten Landes
Mitt Rebe Wien Ostbau Fruchteverwert
Mitt Schweiz Landwirtsch
Mitt Versuchsstn Garungsgewerbe Wien
Mod Dairy
Mol Cell Biochem
Mol Cell Endocrinol
Mol Gen Genet (MGG)
Molineria Panaderia
Molk-Ztg Welt Milch
Monatsh Veterinarmed
Monatsschr Brau
Monit Zool Ital, Suppl
Monti Boschi
Mosq News
MP Tex A M Univ Tex Agric Exp Stn
MP Univ Md Agric Exp Stn
Mt Grow
Mukomol'no Elevat Prom-st'
Mushroom J
Mutat Res
Mycol Pap Commonw Mycol Inst
N Z J Exp Agric
N Z J For Sci
N Z J Zool
N Z Soil Bur Sci Rep
Nachrichtenbl Dtsch Pflanzenschutzd
Nahrung
Nat Belg
Natl Agric Outlook Conf
Natl Food Situation
Nature
Natursch Naturp
Naturwiss Rundsch
Naturwissenschaften
Nauch Dokl Vyssh Shk, Biol Nauk
Naunyn Schmiedbergs Arch Pharmakol
Nematologica
Neth J Plant Pathol
Neue Brehm Bucherei
New Engl J Med
New Entomol
New Sci (London)
News Am Coll Vet Toxicol
Niger Field
Niger J Entomol
Nihon Shokuhin Eisei Gakkai J Food Hyg Soc Jap
Nippon Kagaku Kaishi
Nippon Sochi Gakkai Shi
Not Agric
Nov Zhini Nauke Tekh, Ser Biol
Nowe Roln
Nucleic Acids Res
Nuovi Ann Ig Microbiol
Nutr Dietet
Nutr Food Sci
Nutr Metab
Nutr Rep Int
Nutr Rev
NUTRAH
O T A N Newsl Organ Trop Am Nematol
Occas Pap Agric Econ Unit Dep Land Econ Univ Camb
Occas Publ Entomol Soc Niger
Ochr Rosl
Oecol Plant
Oecologia
Ohio J Sci
Oikos, Acta Oecol Scand
Oleagineux
Onderstepoort J Vet Res
Orchid Dig
Org Gard Farming
Osaka Econ pap
Osteuropastud Hochsch Landes Hassen, Reihe I, Giessner Abh Wirtsch Europ Ostens
Ovoshtarstvo
Ovtsevodstvo
Owoce Warz Kwiaty
Pa Packer
PA U S Dep Agric
Pac Insects
Pac Northwest Lab Annu Rep USAEC Div Biol Med
PANS Pest Artic News Summ
Papier
Parasitology
Parazitologiia
Parfums Cosmet Aromes
Pastor Rev
Pathol Biol
PB Natl Tech Inf Serv Commer
Pchelarstvo
Pchelovodstvo
Peanut Farmer
Pediatrics
Pedobiologia
Pflanzenarzt
Pflugers Arch
Phil Trans Royal Soc Lond
Photochem Photobiol
Phytochemistry
Phytomorphology
Phytopathol Z
Phytopathology
Pig Breed Improv Program (Dublin)
Pig Farming
Plant Cell Physiol
Plant Med
Plant Physiol
Plant Sci Lett
Planta
Plants Gard
Pochvovedenie
Pochvozn Agrokhim
Pol Arch Hydrobiol
Pollen Spores
Pollut Eng
Pomol Fr
Poult Egg Situation
Poult Guide
Poult Ind
Poult Pointers
Poult Sci
Pr Inst Lab Badaw Przem Spozyw
Prep Biochem
Preslia
Problemy osvoeniia pustyn'
Proc Annu Meet Am Wood Preserv Assoc
Proc Annu Meet North Cent Weed Control Conf
Proc Br Weed Control Conf
Proc Crop Sci Soc Jap
Proc Easter Sch Agric Sci Univ Nottingham
Proc Forage Insect Res Conf
Proc Indian Acad Sci, Sec B
Proc Inst Environ Sci
Proc Int Conf World Assoc Adv Vet Parisotol
Proc Linnean Soc N S W
Proc Md Nutr Conf Feed Manuf
Proc Natl Acad Sci U S A
Proc Nutr Soc
Proc Soc Exp Biol Med
Proc Turf Conf (Midwest Reg Turf Found)
Process Biochem
Prod R D
Prog Farming
Prog Hortic
Protistologica
Protoplasma
Przegl Mlecz
Przegl Zboz Mlyn
Przem Drzew
Przem Spozyw
Pszczelarstwo
Publ Agric Can
Publ Ext Div Va Polytech Inst State Univ
Publ Kert Szolesz Foiskola Kozl
Publ R Univ Wis Coll Agric Life Sci
Pulp & Pap Can
Punjab Hortic J
Pyrethrum Post
Q Bull Assoc Food Drug Off U S
Q Rev Agric Econ
Quad Merceol Ist Merceol Univ Bologna
Quaest Entomol
Qual Plant Plant Foods Human Nutr
Qual Publ Malt Barley Improv Assoc
Query File Commonw Bur Hortic Plant Crops
Quick Frozen Foods
R T I A (Rev Tech Econ Ind Aliment)
Radiobiologiia
Radiobiology
Rapp Uppsats Avd Skoglig Marklara Skogshogsk Inst Vaxtekol Marklara (Stockh)
Rapp Uppsats Inst Skogsgenet Skogshogsk (Stockh)
Rass Chim
Rastit Resur
Recl Med Vet
Redog Forskningsstiftelsen Skogsarbeten
Rep Food Res Inst
Rep Tomato Genet Coop
Res Bull Fac Agric Gifu Univ
Res Bull Univ Ga Coll Agric Exp Stn
Res J Mahatma Phule Agric Univ
Res Rep Mont Agric Exp Stn Mont State Univ
Res Rep P OSU Agric Exp Stn (Okla State Univ)
Res Rep Univ Ga Coll Agric Exp Stn
Res Rep Utah Agric Exp Stn
Rev Agron Vet
Rev Embouteillage Indus Cond Trait Distrib Transp
Rev Estud Agrosoc
Rev For Argent
Rev For Fr
Rev For Venez
Rev Geogr Lyon
Rev Hortic Suisse
Rev Lait Fr
Rev Mark Agric Econ
Rev Med Vet (Toulouse)
Rev Nutr Food Sci
Rev Padur
Rev Roum Biochim
Rev Suisse Vitic Arboric Hortic
Rev Suisse Zool
Rev Vet Can
Rev Vinic Int
Rheinische Bienenztg
Rhod Agric J
Rhod Vet J
Rhodora
Ric Sci
Ringyo Gijitsu For Tech
Riso
Riv Ing Agrar
Riv Ital Sost Grasse
Riv Patol Veg
Rocz Inst Przem Mlecz
Rocz Nauk Roln, Ser A Prod Rosl
Rocz Nauk Roln, Ser C Tech Roln
Rocz Wyzsz Sk Roln Poznan
Ronbunshu Nogyo Doboku Gakkai (Trans Jap Soc Irrig Drain Reclam Eng)
Rural Dev Rev
Rural India
S Afr For J
S Afr Sugar J
Sadovod Vinograd Vinodel Mold
Sakh Prom-st'
Samaru Agric Newsl
Samaru Misc Pap
Sante Abeille
Sarawak Mus J
Saturday Rev
Sch Foodserv J
Schlacht Viehhof Ztg
Schriftenr Land Sozialfragen
Schweiz Arch Tierheilkd
Schweiz Bienen-Zeitung
Schweiz Landtech Dtsch Ausg
Schweiz Landwirtsch Monatsh
Sci Agric
Sci Am
Sci Bull Fac Agric Kyushu Univ
Sci Cult
Sci Pap Cent Res Inst Jap Monop Corp
Sci Pap Coll Gen Educ
Sci Prog
Sci Publ Freshwater Biol Assoc
Sci Teacher
Science
Scott For
Search Agric
Seker

Sel Semenovod (Kiev)
Sel Semenovod (Mosk)
Senckenb Biol
Ser Didact Univ Nac Tucuman Fac Agron Zootec
Shokubutsu Boeki
Short Term Leafl Minist Agric Fish Food (Middlesex)
Sib Vestn S-kh Nauk
Silvae Genet
SNE Communicator
Soc Appl Bacteriol Tech Ser
Socioecon Environ Stud Ser EPA- US Environ Prot Agency Off Res Dev
Sociol Rev
Soil Biol Biochem
Soil Sci
Soil Sci Plant Nutr
Soil Ser Dep Soil Sci Univ Minn
Soils Found
Sol Energy
Soobshch Akad Nauk Gruz SSR
South Econ J
Sov Genet
Sov J Dev Biol
SPC Inf Doc (South Pac Comm)
Spec Rep Agric Exp Stn Agric Fayetteville Arkansad
Spec Rep Oreg State Univ Agric Exp Stn
Stain Technol
Stat Bull U S Dep Agric
Stat Rep World Agric Prod Trade
State For Notes Calif Div For
Statens Vaxtskyddsanst Medd (Stockh)
Steroids
Stud Inf Vet
Stud Inf, Zakl Vedy Zemed
Stud Inf, Zemed Tech
Stuttg Ber Siedlungswasserwirtsch
Sucr Fr
Sugarbeet Grow
Syst Zool
Taiwan Sugar
Taiwan Water Conserv
Taxon
Tec Molit
Tech Bull Agric Res Serv U S Dep Agric
Tech Bull Fac Agric Kagawa Univ
Tech Bull Miss State Univ Agric For Exp Stn
Tech Commun Dep Agric Tech Serv (Pretoria)
Tech Lait
Terre Vie
Tetrahedron Lett
Tex Agric Prog
Tex J Sci
Tex Vet Med J
Text Res J
Tierzucht
Tierzuchter
Tijdschr Diergeneeskd
Tohoku J Agric Res
Top Livest Farming
Toxicol Appl Pharmacol
Toxicology
Training
Training Dev J
Trans Am Microsc Soc
Trans Biochem Soc
Trans Ill State Acad Sci
Trans R Entomol Soc Lond
Tropenmed Parasitol
TSitologiia
Tud Kozl Erdeszeti Faipari Egy
Tuinbouwberichten
Tutun
Type A Topics
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap NE (U S Dep Agric Northeast For Exp Stn)
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S Dep Agric Econ Res Serv WMC
U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)
U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)
Ukr Bot Zh
Umweltschutz
Univ Wash Arbor Bull
Unser Milchvieh
USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)
USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)
USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric
USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)
Usp Sovrem Biol
Uzb Biol Zh
Uzb Khim Zh
Va For
Var Foda
Vcelarstvi
Veeproholland
Veroff Land- Hauswirtsch Auswertungs- Informationsdienst
Veroff Landestelle Natursch Landschaftpflege Baden Wurttemb
Versuchsergeb Bundesanst Pelanzenbau Samenpruf Wien
Vestis Latv PSR Zinat Akad
Vestn Leningr Univ Biol
Vestn Leningr Univ Geol Geogr
Vestn Stat
Vet Arh
Vet Econ
Vet Glas
Vet Med Nauki
Vet Med Rev
Vet Pathol
Vet Rec
Vet Sb
Veterinariia (Mosk)
Veterinarstvi
Vierteljahrsschr Naturforsch Ges Zurich
Virology
VM SAC (Vet Med Small Anim Clin)
Voeding
Vopr Ekon
Vopr Virusol
Washingtonian
Wasmann J Biol
Water Compr Treatise
Water Pollut Control
Water Res
Water Resour Bull
Weeds Trees Turf
Weinberg Keller
WHO VBC
Wiad Parazytol
Winzer
Wiss Z Tech Univ Dres
Wood Ind
World Agric
Worlds Poult Sci J
Wynboer
Yearb Calif Avocado Soc
Z Acker Pflanzenbau
Z Allg Mikrobiol
Z Angew Entomol
Z Ausl Landwirtsch
Z Ernahrungswiss
Z Kulturtech Flurbereinig
Z Lebensm Unters Forsch
Z Morphol Tiere
Z Naturforsch
Z Pflanzenphysiol
Z Pflanzenzucht
Z Tierphysiol Tierernahr Futtermittelkd
Z Versuchstierkd
Zemed Ekon
Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt
Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol
Zentralbl Veterinarmed, Reihe A
Zern Maslichn Kul't
Zesz Probl Postepow Nauk Roln
Zh Obshch Biol
Zhivotnovud Nauki
Zool J Linn Soc
Zool Listy
Zool Mag (Tokyo)
Zool Zh
Zootec Nutr Anim
Zuchthygiene (Berl)
Zucker
4-H Club Circ Agric Ext Serv Univ Wyo

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

197089 475 AC8
A medical-social psychological study of agricultural workers in Brazil. (Ger) Wiesmann, E; Mosimann, J; Drolshammer, I; Eckert, J; Marki, H; Munzinger, J; Schurter, V; Schweizer, H *Acta Trop* 32 (1): 1-36. Map. Ref. Eng. Sum. 1975

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197097 16 AG8226
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197098 26 AG86
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197101 14 C112
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Peasants and feudalism in Africa: The case of Ethiopia. Cohen, J M *Can J Afr Stud* 8 (1): 155-157. 1974

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into nine sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, and a personal author index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

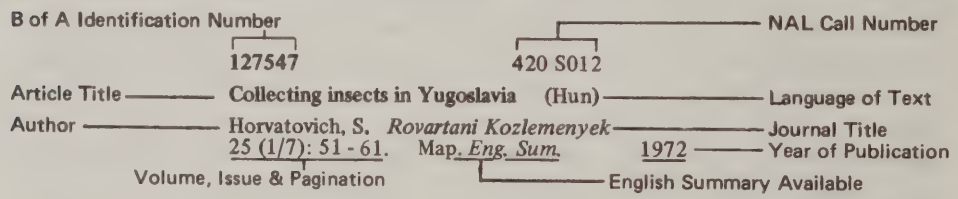
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	**Afrikaans**	**(Fre)**	**French**	**(Mac)**	**Macedonian**
(Alb)	**Albanian**	**(Geo)**	**Georgian**	**(Nor)**	**Norwegian**
(Arm)	**Armenian**	**(Ger)**	**German**	**(Pol)**	**Polish**
(Aze)	**Azerbaijani**	**(Gre)**	**Greek**	**(Por)**	**Portuguese**
(Bel)	**Belorussian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bul)	**Bulgarian**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Bur)	**Burmese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Chi)	**Chinese**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cro)	**Croatian**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Cze)	**Czech**	**(Jpn)**	**Japanese**	**(Spa)**	**Spanish**
(Dan)	**Danish**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
(Dut)	**Dutch**	**(Lat)**	**Latin**	**(Tha)**	**Thai**
(Est)	**Estonian**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
(Fin)	**Finnish**	**(Lit)**	**Lithuanian**	**(Ukr)**	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

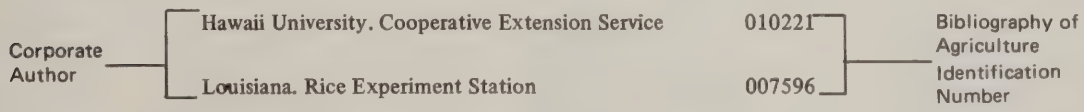
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

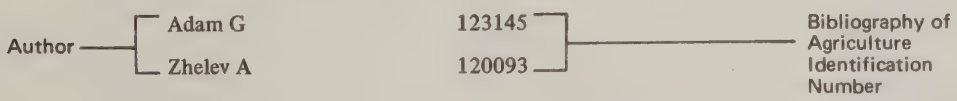
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A E Coop Ext Serv Univ Ill Coll Agric Dep Agric Econ
A E R S Dep Agric Econ Rural Sociol Agric Exp Stn Pa State U
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric
AAACE (Am Assoc Agric Ed)
Abeille Fr Apicul
Abeilles & Fleurs
Acad Agric Fr C R Seances
Acta Adriat
Acta Agric Scand
Acta Anat
Acta Biochim Biophys
Acta Biol (Budap)
Acta Bot
Acta Chem Scand Ser B Org Chem Biochem
Acta Endocrinol
Acta For Fenn
Acta Med Scand
Acta Med Vet
Acta Microbiol Sinica
Acta Pathol Microbiol Scand, Sect B Microbiol Immunol
Acta Physiol Lat Am
Acta Physiol Scand
Acta Zool Fenn
Acta Zool Lillo
Acta Zool Pathol Antverp
Adv Chromatogr
Agrartud Kozl
Agric Biol Chem
Agric Bull Univ Alberta
Agric Commer Ind PROSI (Publ Relat Off Sugar Ind)
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Eng (St Joseph, Mich)
Agric Environ
Agric Handb U S Dep Agric
Agric Hortic
Agric Inf Bull U S Dep Agric
Agric Merch
Agric Meteorol
Agric Pak
Agric Res
Agric Situation India
Agric Situation (Washington)
Agriculture (Paris)
Agroanimalia
Agrochemophysica
Agrociencia
Agro-Ecosystems (Amsterdam)
Agrokhimiia
Agron Dep Mimeogr Ser Ohio Agric Res Dev Cent Dep Agron
Agron Lusit
Agron Mocamb
Agron Sulriograndense
Agroplantae
Aktuel Lantbrukshogsk (Upps)
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Am Bee J
Am Dairy Rev
Am Hortic Mag
Am J Anat
Am J Bot
Am J Clin Nutr
Am J Pathol
Am J Physiol
Am J Vet Res
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Sci
Am Veg Grow
An Col Of Vet Prov
An Estac Exp Aula Dei
An Fac Vet Leon
An Soc Cient Argent
Anal Situacion Agric Sinaloa
Angew Bot
Angew Parasitol
Anim Husb
Anim Prod
Ann Bot
Ann Entomol Soc Am
Ann Gembloux
Ann N Y Acad Sci
Ann Nutr Aliment
Ann Parasitol Hum Comp
Ann S Afr Mus
Ann Sci For
Ann Sci Nat Bot Biol Veg
Ann Zool Pol Akad Nauk Inst Zool
Annu Rep Bean Improv Coop
Apicultura
Appl Anim Ethology
Appl Biochem Microbiol
Appl Entomol Zool
Appl Microbiol
Aquaculture
Arb DLG (Dtsch Landwirtsch Ges)
Arb Osterreich Kurator Landtech
Arboric Assoc J
Arboric Fruit
Arch Biochem Biophys
Arch Bot Biogeogr Ital
Arch Environ Health
Arch Exp Veterinarmed
Arch Int Pharacodyn Ther
Arch Ital Biol
Arch Med Vet
Arch Protistenkd
Arch Virol
Arch Zootec
Arkansas Cattle Bus
Arkansas Farm Res
Arnoldia
ARS-H U S Agric Res Serv U S Dep Agric Plant Entomol Sci
ARS-NC Agric Res Serv U S Dep Agric
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
ARS-W Agric Res Serv U S Dep Agric
ASCS Background Inf BI (Agric Stab Conserv Serv)
Astra Protein Letter
Atmos Environ
Aust Beekeep
Aust J Agric Econ
Aust J Agric Res
Aust J Biol Sci
Aust J Chem
Aust J Exp Biol Med Sci
Aust J Mar Freshwater Res
Aust J Zool
Aust Nat Hist
Aust Vet J
Aust Water Resour Counc Tech Pap
Avian Pathol
Avic Ind
B Agric Exp Stn Max C Fleischmann Coll Agric Univ Nev Reno
Bakers Dig
Bangladesh Dev Stud
Baromfiipar
Baromfitenyesztes
Bee Craft
Behaviour
Belg Apic
Better Crops Plant Food
Biatas, The Tillage Farmer
Bibl Nutr Dieta
Bibliogr Ser Inst Pap Chem
Biene
Bienenpflege
Bienenvater
Bienenwelt
Big Farm Manage
Biochem Biophys Res Commun
Biochem J
Biochem Syst
Biochemistry (Easton)
Biochim Biophys Acta
Biochimie
Biol Bull
Biol Conserv
Biol J Inst Biol
Biol Notes Ill Nat Hist Surv State Ill Dep Regist Educ Nat Hist Surv Div
Biol Reprod
Biol Zentralbl
Biophys J
BIOS
Biotechnol Bioeng
Bitki Koruma Bul
Biul Inst Ziemniaka
Biul Prac Nauk-Badaw Inst Budownictwa Mech Elektr Roln
Biull Moskovsk O Va Ispyt Prir, Otd Biol
Blatter Landtech
Blue Book Vet Prof
Bodemkd Stud
Bol Agric
Bol Chil Parasitol
Bol Inf Dep Estud Econ Inst For (Santiago)
Bol Inst Tecnol Aliment
Bonsai J
Bot Gaz
Bot J Linn Soc
Bot Kozl
Bot Monogr
Bot Mus Leafl Harv Univ
Bot Rev
Br Bee J
Br Food J
Br J Nutr
Br J Pharmacol
Br Poult Sci
Bras Acucar
Brew Dig
Bull Acad Pol Sci, Ser Sci Biol
Bull Agric Exp Stn Auburn Univ
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Agric Exp Stn Univ Del
Bull Br Mus Nat Hist Bot
Bull Cl Sci, 5e Ser Acad R Belg
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Dep Agric Econ S C Agric Exp Stn Clemson Univ Coop Mark Econ Div Econ Res Serv U S Dep Agric
Bull Entomol Res
Bull Entomol Soc Am
Bull Entomol Soc Can
Bull Environ Contam Toxicol
Bull Fac Fisheries Hokkaido Univ
Bull Idaho Agric Exp Stn Univ Idaho Coll Agric
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Jap Soc Sci Fish
Bull Kyushu Univ For
Bull Landbouwproefstn Suriname
Bull Minist Agric Fish Food (Lond)
Bull Miss Agric For Exp Stn
Bull Natl Inst Agric Sci Ser D, Physiol Genet
Bull Okayama Tob Exp Stn
Bull Res Inst Food Sci Kyoto Univ
Bull Storrs Agric Exp Stn Coll Agric Nat Resour Univ Conn Storrs
Bull Tech Inf Minist Agric (Paris)
Bull Torrey Bot Club
Bull Univ Tenn Agric Exp Stn
Bull W H O
Bull W Va Univ Agric Exp Stn
Bull Wash (State) Agric Exp Stn
Bull Water Resour Res Cent Va Polytech Inst State Univ
C Coop Ext Serv Max C Fleischmann Coll Agric Univ Nev Reno
Calcif Tissue Res
Calif Agric
Calif Hortic J
Calif Plant Pathol Univ Calif Agric Ext
Calif Vet
Can Entomol
Can Farm Econ
Can For Ind
Can Home Econ J
Can J Anim Sci
Can J Biochem
Can J Bot
Can J Chem
Can J Comp Med
Can J For Res
Can J Microbiol
Can J Physiol Pharmacol
Can J Plant Sci
Can J Zool
Cane Grow Q Bull
Carbohydr Res
Carnes Merc
Cashew News Teller
Castanea
Cell Differ
Cell Immunol
Cell Mass Inst Technol
Cell Tissue Res
Cellul Chem Technol
Cereal Chem
Cereal Foods World
Ceres
Cesk Epidemiol Mikrobiol Imunol
Chem Commun
Chem Nat Compd
Chem Soc Rev
Chem Tech
Chemosphere
Chih-wu Hsueh-pao

Chromatographia
Chromosoma
Circ Agric Exp Stn Auburn Univ
Circ Clemson Univ Coop U S Dep Agric Ext Serv
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Estac Exp Agric (Tucuman)
Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Circ Wash Agric Exp Stn
Citrus Ind
Citrus Sub-Trop Fruit J
Citrus Veg Mag
Clays & Clay Miner
Clin Vet
Collect Czech Chem Commun
Commonw For Rev
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Compost Sci
Confect Prod
Conn Woodl
Cooking for Profit
Coop Econ Insect Rep
Cornell Int Agric Dev Mimeogr
Cotton Grow Rev
Cow Moos
Cranberries
CRC Crit Rev Toxicol (Chem Rubber Co)
Ctry Life
Cukoripar
Cultivar
Curr Sci
Cytobiologie
Cytologia
Czech Econ Pap
Dairy Farmer
Dairy Herd Manage
Dairy Ind
Dairy Tales
Dairyfarm Dig
Dairyman
Dan Erhvervsfjerkrae
Dan Pelsdyravl
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Dep For Publ Sch Agric South Ill Univ
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Det Nye Dan Landbrug
Dev Biol
Dev Econ
Diplomandwirt
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Dokl Biochem
Dokl Bot Sci
Dokl S-kh Akad Im Georgiia Dimitrova
Dokl Vses Akad S-kh Nauk
Drevo
Drobiarstwo
Drug Des
Drvna Ind
Dtsch Entomol Z
DTW (Dtsch Tierarztl Wochenschr)
E H P (Environ Health Perspect) Exp Issue
E S M Ohio State Univ Dep Agric Econ Rural Sociol
Ecol Model
Ecol Res Ser EPA U S Environ Prot Agency
Ecology (Durham)
Econ Agric
Econ Bot
Econ Med Anim
Econ Plann
Ekologiia (Sverdlovsk)
Ekon Sel'sk Khoz
Elelmez Ipar
EM Coop Ext Serv Coll Agric Wash State Univ
Empress Chinchil
Empress Chinchilla Breeder
Endocrinology
Entomol Exp Appl
Entomol News
Entomol Rec J Var
Entomol Z
Entomops
Environ Aff
Environ Conserv
Environ Health Eff Res Ser EPA
Environ Monit Ser EPA U S Environ Prot Agency
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Qual Saf
Environ Sci Tech
Equine Vet J
Erdo
ERFA (Erdogazdasag Faipar)
Ernahrungswirtschaft
ERS U S Dep Agric Econ Res Serv
Esso Farmer
Etud CNEEMA (Cent Natl Etud Exp Mach Agric)
Eur J Appl Microbiol
Eur J Biochem
Eur J Pharmacol
Eur Polym J
Evolution
Exp Cell Res
Exp Husb
Experientiae
Explot Agrar
Ext Bull Agric Ext Serv Univ Minn
Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Ext Bull Dep Agric South Aust
Ext Bull E Coop Ext Serv Mich State Univ
Ext Bull Md Univ Coop Ext Serv
Ext Circ Ext Serv Oreg State Univ
Ext Fol Agric Ext Serv Univ Minn
Faipar
FAO Nutr Newslett
Farm Ed Sci
Farm Food Res
Farm Manage Rev
Farmer Parliament
Farmers Bull U S Dep Agric
Farming Mech
FAS-M U S Foreign Agric Serv
Fauna Flora Pop Tidskr Biol
Fauna, Nor Zool Foren Tidsskr
FEBS Lett (Fed Eur Biochem Soc)
Fed Proc Fed Am Soc Exp Biol
Feedlot Manage
Fert News
Field Notes U S For Serv
Fiziol Zh SSSR
Fla Entomol
Fleischerei
Flora Fauna
Florists Rev
Flower Nursery Rep Commer Grow Coop Ext Univ Calif
Foldrajzi Ert
Folia For
Food and Nutr News
Food Eng
Food Management
Food Nutr
Food Serv Mark
Food Technol
Food Technol Aust
Food Technol N Z
For Agric Circ Coffee FCOF (U S Dep Agric)
For Dep Ser Agric Exp Stn Auburn Univ
For Hist
For Res Rep Agric Exp Stn Univ Ill
Foreign Agric Circ, Cann Fruit Fcan (U S Dep Agric)
Foreign Agric Circ, Dairy FD (U S Dep Agric)
Foreign Agric Circ, Fibers FVF (U S Dep Agric)
Foreign Agric Circ FTEA U S Foreign Agric Serv
Foreign Agric Circ, Sugar FS (U S Dep Agric)
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forsk Prakt
Frugtavleren
Fruit Veg Facts Pointers
Fruits & Abeilles
G Avic Vares
Ga Agric Res
Gac Colmenar
Gartneryket
Gaz Agric (Lourenco Marques)
Gaz Agric (Luanda)
Gaz Apic
Gazdalkodas
Gen And Comp Endocrinol
Gen Tech Rep PSW Pac Southwest For Range Exp Stn USDA For Serv
Genet Lect
Genetics
Geogr Rev
Geol Surv Water Supply Pap
Gewasbescherming
Givaudan Flavor
Glas Prir Muz Beogr, Ser B Biol Nauke
Gorskostop Nauka
Gosamvardhana
Gospod Miesna
Great Basin Nat
Great Plains Agric Counc Publ
Ground Water
Grounds Maint
Grune
Guatem Indig
Gulf Coast Cattlem
Handb Physiol Am Physiol Soc
Hassadeh
Health Lab Sci
Health Phys
Heredity
Highl Breed J
Hilgardia
Hind Antibiot Bull
Histochemie
Hoards Dairym
Hog Farm Manage
Holzforsch Holzverwert
Holzindustrie
Hortsci
Hyacinth Control J
Hydrobiol J
Hydrol Pap Colo State Univ
I C A Informa (Inst Colomb Agropecu)
I P E F (Inst Pesqui Estud Florestais)
Idaho Agric Res Prog Rep
Idesia
Iheringia, Ser Bot
Imkerfreund
Immunogenetics
In Accelerated Development in Southern Africa. J. Barratt, S. Brand, D. S. Collier, & K. Glaser, eds.
In Acidic Proteins of the Nucleus. I. L. Cameron & J. R. Jeter, Jr. eds.
In Calcium Binding Proteins Proc of the Int Symp. W. Drabikowski, H. Strzalecka-Golaszewska, & E. Carafoli, eds.
In Conf on the Adaption of Adm and Inst to Changing levels of Agric Dev, Serving the Small Farmer
In Control of Error in Market Research Data. J. U. Farley & J. A. Howard, eds.
In Ford Foundation Experiments in Regional Environmental Manage; a Symp of the Am Assoc for the Adv of Sci
In Insect Muscle. P. N. R. Usherwood, ed.
In Insecticides of the Future. M. Jacobson, ed.
In Le Basi agronomiche ed efficienza dell'irrigazione negli ambienti mediterranei
In Mechanisms in Recombination. R. F. Grell, ed.
In Nutritional Improvement of Food Legumes by Breeding. M. Milner, ed.
In Parasitic Zoonoses Clinical and Experimental Studies
In Postharvest Physiol, Handling and Util of Tropical and Subtropical Fruits and Vegetables. E. B. Pantastico, ed.
In Principles of Medicinal Chemistry. W. O. Foye. ed.
In Proceedings of the Symposium on the Effects of Neutron Irradiation Upon Cell Function
In Spore Research 1973
In The Outlook for Beef in the United Kingdom, 1974 and 1975. G. R. Allen, ed.
Ind Aliment Agric
Ind Conserv
Ind Saccarif Ital
Indian Agric
Indian Cof
Indian Dairym
Indian Farming
Indian J Agric Econ
Indian J Agric Sci
Indian J Anim Sci
Indian J Mycol Plant Pathol
Indian J Nutr Diet
Indian J Physiol Pharmacol
Indian J Plant Physiol
Indian J Poult Sci
Indian J Power River Val Dev
Indian Silk
Indian Sugar
Indian Vet J
Inf Agric (Paris)
Inf Bull, Coop Ext, Coop Ext, N Y State Coll Agric Life Sci
Inf Bull Int Maize Wheat Improv Cent
Inf Card Clemson Univ Ext Serv
Inf Conf Cursos Reun I I C A (Interam Inst Cienc Agric)
Inf Fitopatol
Inf Sobre Grasas Aceites
Int Biodeterior Bull
Int Conf Isozymes
Int J Appl Radiat Isot
Int Rev Gesamten Hydrobiol
Int Sugar J
Inten Agric
Intermodal World
Ir Agric Cream Rev
Ir Beekeep (An Beacaire)
Ir J Agric Res
IRRI Rep (Int Rice Res Inst)
Isr J Earth Sci
Ital Agric
Izv Akad Nauk SSSR, Ser Biol
Izv Akad Nauk Turkm SSR, Ser Biol Nauk
J Agric Chem Soc Jap
J Agric Econ
J Agric Eng Res
J Agric Food Chem
J Agric South Aust
J Agric West Aust
J Air Pollut Control Assoc
J Ala Acad Sci
J Am Chem Soc
J Am Diet Assoc
J Am Leather Chem Assoc
J Am Oil Chem Soc
J Am Soc Hortic Sci
J Am Vet Med Assoc
J Anim Ecol
J Anim Sci
J Appl Bacteriol
J Appl Chem
J Appl Chem USSR
J Appl Physiol
J Arboric
J Aust Entomol Soc
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Bombay Nat Hist Soc
J Br Grassl Soc
J Can Diet Assoc
J Cell Sci
J Cent Agric Exp Stn (Konosu)
J Chem Ecol
J Chem Soc, Perkin Trans I
J Chromatogr
J Chromatogr Sci
J Coll Dairy Agric (Rakund Gakuen)
J Colloid Interface Sci
J Comp Pathol
J Comp Physiol
J Comp Physiol Psychol
J Cyclic Nucleotide Res
J Dairy Res
J Dairy Sci
J Econ Entomol
J Econ Hist
J Embryol Exp Morphol
J Endocrinol
J Entomol Soc South Afr
J Environ Manage
J Exp Biol
J Ext
J Fac Agric Iwate Univ
J Ferment Technol
J Fish Res Board Can
J Flour Anim Feed Milling
J Food Sci
J Food Technol
J For
J Gen Physiol
J Hered
J Hokkaido For Prod Res Inst
J Immunogenet
J Immunol Methods
J Insect Physiol
J Int Res Commun Med Sci
J Invertebr Pathol
J Jap Bot
J Jap For Soc
J Jap Soc Air Pol
J Jap Vet Med Assoc
J Jap Wood Res Soc
J Leisure Res

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

J Lipid Res
J Med Entomol
J Milk Food Tech
J Milk Food Technol
J Minn Acad Sci
J Mol Biol
J Morphol
J Nat Hist
J Nematol
J Nutr
J Nutr Educ
J Nutr Sci Vitaminol
J Parasitol
J Pathol (Edinb)
J Pharm Soc Jap
J Phycol
J Physiol
J Physiol (Paris)
J Protozool
J R Soc West Aust
J Reprod Fertil
J Sci Food Agric
J Sci Lab
J Sci Soil Manure
J Small Anim Pract
J Soc Bibliogr Nat Hist
J Soc Dairy Technol
J Soil Water Conserv
J Stored Prod Res
J Theor Biol
J Ultrastruct Res
J Virol
J Water Pollut Control Fed
J Wildl
Jap J Anim Reprod
Jap J Breed
Jap J Genet
Jap J Vet Res
Jap J Zootech Sci
Jap Poult Sci
Jarmuvek, Mezogazd Gepek
Jaunak Mezsaimn
Jordbruksekon Medd
Kartofel Ovoschi
Kehutanan Indones
Kenya Cof
Kern Crop Inf Univ Calif Agric Ext Serv
Kertgazdasag
Khim Sel'sk Khoz
Khlopkovodsto
Kiel Milchwirt Schaftl Forschungsber
Koedoe
Komm Wiss Erforsch Nationalparks Ergeb Wiss Unters Schweiz Nationalparks Schweiz Naturforsch Ges
Konservn Ovoshchesushil Prom-st'
Kooperation
L Tex A M Univ Tex Agric Exp Stn
La Agric
La Rural Econ
Land Res Ser Commonw Sci Ind Res Org Aust
Land Water Int
Landbo Nyt
Landbrukstidende
Landwirtsch Angew Wiss
Lantmannen
LASCA Leaves (Los Ang State Cty Arbor)
Latte
Leafl Coop Ext Serv Univ Ga Coll Agric
Learning Resources
Lebensm Prax
L'elevage
Levende Nat
Libr List Natl Agric Libr U S Dep Agric
Life Sci
Lilloa
Limnol Oceanogr
Lipids
Lloydia
LWT (Lebensmitt Wissensch Technol)
LXXXIV (3): 70-71
M A F E S Res Highlights (Miss Agric For Exp Stn)
Mach Agric Trop
Madrono
Maelkeritidende
Magy Textiltech
Maharashtra Cooper Q
Maine For Rev
Mammalia
Mark Res Rep U S Dep Agric Econ Res Serv
Maydica
Meat Process
Mec Electrif Agrig
Mech Roln
Med Nor Myrselsk
Med Parazitol Parazit Bolezn
Medd Jordbruk Utredningsinst
Medd Landokon Driftsbur (Kobenh)
Medd Statens Cent Frokontrolanst
Meded Overdrukken Landbouw Econ Inst
Mejeribrugets Uge-Nyt
Meld Landbrukstek Inst Vollebekk Nor
Meld Nor Landbrukshogsk
Mem Entomol Soc Can
Mem Fac Agric Niigata Univ
Mem Soc R Bot Belg
Memo Tec Secr Recurso Hidraul Dir Gen Dist Riego Dir Estad Estud Econ
Menara Perkebunan
Methods Enzymol
Metod Zavad Vysled Vyzk Praxe
Mex Agric
Mex Dir Gen Dist Riego Inf Estad
Mex Sus Bos
Mezogazd Vilagirodalom
Mich Farm Econ
Micol Ital
Mikol Fitopatol
Mikrobiol Zh
Milchwissenschaft
Milk Ind
Mimeogr Ser Univ Arkansas Agric Exp Stn
Minn Agric Econ
MIRINZ Meat Indus Res Inst N Z
Misc Acad Nac Cienc (Cordoba Argent)
Misc Bryol Lichenol
Misc Publ Agric Exp Stn Okla State Univ USDA
Misc Publ U S Dep Agric
Mitt Bundesforschungsanst Forst Holzwirtsch
Mitt Eidg Anst Forstl Verschwes
Mitt Geb Lebensmittelunters Hyg (Bern)
Mitt Obstbauversuchsanst Alten Landes
Mitt Schweiz Landwirtsch
Mod Plywood Tech
Mod Vet Pract
Mol Gen Genet (MGG)
Mondo Latte
Monit Zool Ital
Monit Zool Ital, Suppl
Monogr Agric Law Cent Coll Law Univ Iowa
Monogr Can Dep Agric
Moscow Univ Biol Sci Bull
Mosq News
MP Tex A M Univ Tex Agric Exp Stn
MP Univ Md Agric Exp Stn
Mt Grow
Mukomol'no Elevat Prom-st'
Mushroom J
Mutat Res
Mycologia
Mycopathol Mycol Appl
Myforest
Mysore J Agric Sci
N C Agric Stat
N D Farm Res
N S W Dairyman
N Z Beekeep
N Z J Agric
N Z J Agric Res
N Z J Bot
N Z J Exp Agric
N Z Vet J
Nat Belg
Nat Can
Nat Jutl
Natl Cac Suc J
Natl Food Situation
Natl Wool Grow
Nature
Naunyn Schmiedbergs Arch Pharmakol
Ned Bosbouw Tijdschr
Ned Melk Zuiveltijdschr
Neth J Agric Sci
New Engl Fruit Meet Proc Annu Meet Mass Fruit Grow Assoc Inc
New Engl J Med
New Phytol
New Sci (London)
News Farmer Coop
News N J Beekeep Assoc
Newsl Assoc Off Seed Anal
Newsl Indian Soc Nucl Tec Agric Biol
Nihon Shokuhin Eisei Gakkai J Food Hyg Soc Jap
Niigata Agric Sci
Nogaku Kenkyu Inst Agric Biol Sci Okayama Univ
Nogyo Kisho J Agric Meteorol
Nor Entomol Tidsskr
Nor Pelsdyrbl
Nord Mejeritidsskr
Nord Veterinaermed
Northwest Sci
Not Agric
Nota Tec Inst For (Santiago)
Novenytermeles
Nowe Roln
Nucleic Acids Res
Nuovi Ann Ig Microbiol
Nutr Rep Int
Nutrition
Obz Inf Minist Sel'sk Khoz SSSR Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Oecologia
Off Orgaan K Ned Zuivelbond Fnz
Ohio Rep Res Dev Biol Agric Home Econ
Oikos, Acta Oecol Scand
Okla Curr Farm Econ
Ontogenez
Orchard N Z
Orchid Dig
OSU Ext Facts (Okla State Univ)
Outlook Wash United Fresh Fruit Veg Assoc
Ovtsevodstvo
Owoce Warz Kwiaty
Oxf Bull Econ Stat
P K V Res J (Punjabrao Krishi Vidyapeeth)
Pa Pest Control Q
Pac Sci
Panpac Entomol
Pap Puu
Pastor Rev
Paysans
PB Natl Tech Inf Serv Commer
Pchelarstvo
Pchelovodstvo
Peanut J Nut World
Pecan Q
Pepinier Hortic Maraich
Pest Control
Pestic Monit J
Pflugers Arch
Phospho Agric
Photogramm Eng Remote Sensing
Physiol Plant
Physiol Plant Pathol
Physiol Veg
Phytochemistry
Phytoparasitica
Phytopathology
Phytophylactica
Phytoprotection
Plant Cell Physiol
Plant Dis Rep
Plant Med
Plant Physiol
Plant Prot (Belgr)
Plant Sci Lett
Planta
Pluimveehouderij
PM Coop Ext Serv Iowa State Univ
PNW Bull (Pac Northwest Coop Ext)
Pochvovedenie
Pol Arch Hydrobiol
Pomol Fr
Postepy Nauk Roln
Potato Q
Poult Guide
Poult Notes N S W Dep Agric
Poult Pointers
Poult Sci
Poult Trib
Pr Inst Przem Wrok Kykow Minist Przem Lekkiego
Pract Nutr
Preslia
Prikl Biokhim Mikrobiol
Principes
Priroda (Mosk)
Probl Bot (Leningr)
Proc Annu Conv Am Assoc Equine Pract
Proc Annu Meet N Y State Hortic Soc
Proc Br Weed Control Conf
Proc Indian Acad Sci, Sec B
Proc K Ned Akad Wet, Ser C Biol Med Sci
Proc N Z Grassl Assoc Conf
Proc Natl Acad Sci U S A
Proc Northeast For Tree Improv Conf
Proc Res Ind Conf Am Forage Grassl Counc
Proc Soc Exp Biol Med
Proc Soil Sci Soc Am
Proc Tech Sect Can Pulp Pap Assoc
Proc Turf Conf (Midwest Reg Turf Found)
Process Biochem
Prod Agric Fr
Prog Agric Ariz
Prog Agric Vitic
Prog Food Nutr Sci
Prog Rep Colo State Univ Fort Collins Exp Stn
Prog Rep Ser Agric Exp Stn Aub Univ
Przegl Hodowla
Przegl Mlecz
Przegl Zboz Mlyn
Przem Drzew
Psyche
Pub (Manit Dep Agric)
Publ Agric Can
Publ Ceres Ohio Dep Agric
Publ Ext Div Va Polytech Inst State Univ
Publ Landbouw Econ Inst Afd Streekonderz
Publ Ont Minist Agric & Food
Publ R Univ Wis Coll Agric Life Sci
Pulp & Pap Can
Pyrethrum Post
Q Coop Ext Serv Univ Ariz
Q J Exp Physiol Cogn Med Sci
Q Rev Agric Econ
R T I A (Rev Tech Econ Ind Aliment)
Radiat Bot
Radiat Environ Biophys
Radiat Res
Raksti Latvi Lauksaimn Akad
Rapp Proefstn Rundveehouderij
Rapp Uppstats Inst Skogsprod Skogshogsk (Stockh)
Rastenievud Nauk
Rec Aust Mus
Recursos Hidraul
Redog Forskningsstiftelsen Skogsarbeten
Reordenamento
Rep Minutes Meet North Cent Corn Breed Res Comm
Rep Rothamsted Exp Stn
Rep Taiwan Sugar Res Inst
Rep Univ Vt Relat Serv Div
Res Bull Purdue Univ Agric Exp Stn
Res Bull Univ Mo Columb Coll Agric Agric Exp Stn
Res Circ Ohio Agric Res Dev Cent
Res Rep Mich State Univ Agric Exp Stn
Res Rep P OSU Agric Exp Stn (Okla State Univ)
Res Rep Univ Ga Coll Agric Exp Stn
Res Vet Sci
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Respir Physiol
Restaurant Bus
Results Probl Cell Differ
Rev Agric (Brux)
Rev Agric (Lourence Marques)
Rev Agron Noroeste Argent
Rev Asoc Argent Criad Cerdos
Rev Bras Biol
Rev Cafetalera
Rev Cresterea Anim
Rev Fac Agron Univ Cent Venez
Rev Fac Agron Univ Cent Venez Fac Agron
Rev Fac Cienc, 2a Ser, C Cienc Nat Univ Lisb
Rev For Argent
Rev Fr Apic
Rev Fr Corps Gras
Rev Hortic Suisse
Rev ICA (Inst Colomb Agropecu)
Rev Inst Laticin Candido Tostes
Rev Nac Agric
Rev Palaeobot Palynol
Rev Plant Prot Res
Rev Port Cienc Vet
Rev Suisse Agric
Rev Theobroma
Rev Tussock Grassl Mt Lands Inst
Rev Vin Fr, Engl Lang Ed
Rev Vinic Int
Rev Zool Afr
Rhod Zambia Malawi J Agric Res
Ric Econ
Rice J
Riv Econ Agrar
Riv Ortoflorofruttic Ital
Riv Parassitol
Riv Stor Agric
Rocz Inst Przem Mlecz
Rocz Nauk Roln, Ser B Zootech
Rocz Technol Chem Zywn

Rozpr Zesz Nauk Akad Roln Krakowie
RSRI Discuss Pap Ser (Reg Sci Res Inst)
RTVA (Rev Tech Vet Abattoirs Hyg Aliment)
Rural Electrif
S Afr J Dairy Technol
Sadovod Vinograd Vinodel Mold
Saermeld Nor Landbruksokonomiske Inst
Sch Foodserv J
Schlacht Viehhof Ztg
Schriftenr Agrarsoziologie Agrarrecht
Schweiz Arch Tierheilkd
Schweiz Bienen-Zeitung
Schweiz Z Obst Weinbau
Sci Cult
Sci Rep Fac Lib Arts And Educ Gifu Univ, Nat Sci
Sci Sin
Science
Scott Beekeep Scott Beekeep Assoc
Search, Sci Technol Soc
Sedimentology
Seker
Shokubutsu Boeki
SIDA
Sierra Leone Agric J
Silva Fenn
Simmental Shield
Slovenski Cebelar
Smithson Contrib Bot
SNA Nursery Res J (South Nurserymen's Assoc)
Soil Assoc
Soil Conserv
Soil Sci
Soobshch Akad Nauk Gruz SSR
South Aust Nat
Sov Genet
Sov Plant Physiol
Sov Soil Sci
Soybean Dig
Span
Spec Rep Oreg State Univ Agric Exp Stn
Sri Lanka For
Stain Technol
Stat Bull U S Dep Agric
Statni Statky
Stud Inf, Lesn
Stud Inf, Ochr Rostl
Subtrop Kul't
Succulenta
Sugar Technol Rev
Suom Elainlaakaril
Super Stud
Surinaam Landbouw
Sven Frotidn
Sven Papperstidn
Sver Skogvardsforb Tidskr
Sylwan
Symb Bot Upsal
Tabak
TAG (Theor Appl Genet)
Taiwan Sugar
Taiwania
Talanta
Tappi (Tech Assoc Pulp Paper Ind)
Tec Molit
Tech Bull Agric Exp Stn Oreg State Univ
Tech Bull Agric Exp Stn Univ Ariz
Tech Bull Agric Res Serv U S Dep Agric
Tech Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Tech Bull Dep Agric West Aust
Tech Bull Miss State Univ Agric For Exp Stn
Tech Bull N C Agric Exp Stn
Tech Bull S C Agric Exp Stn Clemson Univ
Tech Bull Univ Maine Orono Life Sci Agric Exp Stn
Tech Commun Dep Agric Tech Serv (Pretoria)
Tech Ind Cereal
Tech Lait
Tech Pap Am Pulpwood Assoc
Tech Q Mast Brew Assoc Am
Tech Rep Univ Md Water Resour Res Cent
Teratology
Termeszet Vilaga
Tetrahedron
Tetrahedron Lett
Theriogenology
Tijdschr Diergeneeskd
Tijdschr Ned Heidemaatsch
Timber Grow
Tissue Cell
Tob Situation
Toim, Biol Eesti NSV Tead Akad
Tokyo Geogr Pap
Tolvmandsbladet
Top Livest Farming
Torreia Dir Nac Zool Acuarios
Toxicon
Tr Akad Nauk Lit SSr, Ser B
Trabajos Inst Econ Prod Ganad Ebro Univ Zaragoza
Trans Am Entomol Soc
Trans ASAE Gen Ed (Am Soc Agric Eng)
Trans Biochem Soc
Trans Br Mycol Soc
Trans Mo Acad Sci
Trans Shikoku Entomol Soc
Trop Agric (Guilford)
Trop Grassl
Trzoda Chlew
Tuinbouwberichten
Turf Bull
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap NE (U S Dep Agric Northeast For Exp Stn)
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S D A For Serv Resour Bull SE (U S Dep Agric For Serv Southeast For Exp Stn)
U S For Serv For Pest Leafl
U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)
U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)
Ukr Biokhim Zh
Umschau
Umweltschutz
USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Ext Stn U S Dep Agric
USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)
USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)
USDA For Serv Gen Tech Rep RM Rocky Mt For Range Exp Stn For Serv U S Dep Agric
USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn
USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)
USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)
USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)
Uzb Khim Zh
VAE (Va Agric Econ)
Var Foda
Vcelar
Vcelarstvi
Veroff Zool Staatssamml Munch
Vestis Latv PSR Zinat Akad
Vestn Moskovsk Univ, Geogr
Vet Bull
Vet Econ
Vet Med Nauki
Vet Rec
Veterinaria (Sarajevo)
Veterinariia (Kiev)
Veterinariia (Mosk)
Victorian Hortic Dig
Vierteljahrsschr Naturforsch Ges Zurich
Vinodel Vinograd SSSR
Virology
Visn Sil's'kohspod Nauki
Visnyk Akad Nauk Ukr RSR
Vitamin
VM SAC (Vet Med Small Anim Clin)
Voeding
Vopr Ekon
WAA, World Agric Aviat
Water Res
Water Resour Res
Water Wastes Eng
Weed Res
Weed Sci
Weeds Trees Turf
West Va Agric For
Wet Meded K N N V (K Ned Naturhist Ver)
Whats New Plant Physiol
Wheat Inf Serv
Wiad Ekol
Wilhelm Roux Arch Entwicklungsmech Org
Wines Vines
Wood Fibre
Wood Ind
Wood Res
Wood Sci Technol
World Wood
Wrightia
Yearb Aril Soc Int
Yillik Bul Kavak Hizli Gelisen Orman Agaclari Arastirma Enst
Z Acker Pflanzenbau
Z Angew Zool
Z Lebensm Unters Forsch
Z Pflanzenphysiol
Z Pflanzenzucht
Z Tierphysiol Tierernahr Futtermittelkd
Z Tierpsychol
Z Tierz Zuchtungsbiol
Z Versuchstierkd
Z Zuckerind
Zagad Ekon Roln
Zb Biotehniske Fak Univ Ljublj Vet
Zentralbl Bakteriol Parasit Infektiowskr Hyg, Zweite Naturwiss Abt
Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol
Zentralbl Veterinarmed Beih
Zentralbl Veterinarmed, Reihe A
Zentralbl Veterinarmed, Reihe B
Zhivotnovodstvo
Zoo Anvers
Zool Beitr
Zool Jahrb, Abt Anat Ontog Tiere
Zool Jahrb, Abt Syst Okol Geogr Tiere
Zootec Vet

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

207179 238 AM33A
Communicating through Florida newspapers [Agriculture]. Ruffner, M *AAACE (Am Assoc Agric Ed)* 57 (3): 14-19. July/-Sept 1974

207180 238 AM33A
Farm live-in program. Bramblett, J L *AAACE (Am Assoc Agric Ed)* 57 (3): 10-13. July/Sept 1974

207181 238 AM33A
Reader polls show farmer concerns [Surveys]. Hill, F *AAACE (Am Assoc Agric Ed)* 57 (3): 20-25. July/Sept 1974

207182 19 B855
Hungarian-Soviet cooperation in the field of agrochemistry. (Hun) Latkovics, Mrs Gy *Agrartud Kozl* 34 (3): 547-550. 1975

207183 A281.9 AG8A
Employment growth in the Ozarks states, 1960-70. Kuehn, J A *Agric Econ Rep Econ Res Serv U S Dep Agric* 269, 29 P. Maps. Nov 1974

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Low-income rural people in east central Arkansas face roadblocks to jobs. Davis, R N; Green, B L; Redfern, J M; U.S. Dept. of Agriculture *Agric Econ Rep Econ Res Serv U S Dep Agric* 290, 32 P. July 1975

207185 1 AG84AB
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PHYSIOLOGY AND BIOCHEMISTRY OF HORTICULTURAL CROPS

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PHYSIOLOGY AND BIOCHEMISTRY OF FOREST TREES

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PLANT FUNGUS DISEASES AND CONTROL

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Resistance of corn varieties, self-pollinating lines and hybrids to Helminthosporium turcicum Pass. Pencic, V *Plant Prot (Belgr)* 22 (115/116): 55-63. 1971 (Transl. 1974)

PLANT BACTERIAL DISEASES AND CONTROL

QH301.M6
Bacterial streak disease [Xanthomonas holcicola] of sorghumin Stavropol Territory. Nikolaeva, N F; Chumaevskaya, M A *Moscow Univ Biol Sci Bull* 29 (1/2): 53-55. Ref. 1974

PLANT VIRUS DISEASES AND CONTROL

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Translation of barley streaked mosaic virus RNA in a cell-free protein-synthesizing system from wheat germ. Negruk, V I; Novikov, V K; Atabekov, I G *Dokl Biochem* 218 (1/6): 429-432. Ref. Sept/Oct 1974 (Transl 1975)

MISCELLANEOUS PLANT DISEASES, INJURIES AND CONTROL

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Dynamics of farnesene content in the apple cuticle [Physiological diseases]. Morozova, N P; Sal'kova, E G *Appl Biochem Microbiol* 9 (5): 638-642. Ref. Sept/Oct 1973 (Transl 1975)

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Appearance of chlorosis in the first generation of common winter wheat hybrids. Darbinyan, N O *Sov Genet* 9 (6): 671-674. June 1973 (Transl Mar 1975)

WEEDS AND HERBICIDES

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INSECT PESTS AND CONTROL—GENERAL AND MISCELLANEOUS PLANTS

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Oxidation of alliogenin and beta-chlorogenin with N-bromosuccinimide. Gorovits, M V; Kel'ginbaev, A N; Khristulas, F S; Abubakirov, N K *Chem Nat Compd* 9 (4): 534. July/Aug 1973 (Transl 1975)

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INSECT PESTS AND CONTROL—HORTICULTURAL CROPS

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INSECT PESTS AND CONTROL—FOREST TREES, PRODUCTS

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A study of the effect of low winter temperature on gypsy moth eggs (Lymantria dispar L.). Marovic, R *Plant Prot (Belgr)* 22 (115/116): 111-118. Ref. 1971 (Transl. 1974)

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Artificial diet for the gypsy moth (Lymantria dispar L.) [Pest control]. Vasiljevic, Lj; Injac, M *Plant Prot (Belgr)* 22 (115/116): 129-135. Ref. 1971 (Transl. 1974)

INSECT PESTS AND CONTROL—PRODUCTS

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Trials of inert dusts in water suspension for controlling stored-product [insect] pests. Maceljski, M; Korunic, Z *Plant Prot (Belgr)* 22 (115/116): 119-128. Ref. 1971 (Transl. 1974)

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Determination of residual amounts of furfural in [corn and cereal] plants. Khramova, S I; Bokarev, K S *Sov Plant Physiol* 21 (6): 1062-1063. Nov/Dec 1974 (Transl. 1975)

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Plant genetics and breeding ..... 221929 – 222202
Plant physiology and biochemistry—general ..... 222203 – 222622
Physiology and biochemistry of field crops ..... 222623 – 222849
Physiology and biochemistry of horticultural crops ..... 222850 – 223085
Physiology and biochemistry of forest trees ..... 223086 – 223119
Field crops—culture ..... 223120 – 223373
Horticultural crops—culture ..... 223374 – 223791
Miscellaneous economic plants—culture ..... 223792 – 223811
Plant fungus diseases and control ..... 223812 – 224122
Plant bacterial diseases and control ..... 224123 – 224154
Plant virus diseases and control ..... 224155 – 224233
Miscellaneous plant diseases, injuries, and control ..... 224234 – 224398
Weeds and herbicides ..... 224399 – 224561
Insect pests and controls—general and miscellaneous plants ..... 224562 – 224627
Insect pests and controls—field crops ..... 224628 – 224720
Insect pests and controls—horticultural crops ..... 224721 – 224833
Insect pests and controls—forest trees, products ..... 224834 – 224895
Insect pests and controls—products ..... 224896 – 224915
Insect pests and controls—animal and man ..... 224916 – 224997
Pesticides—general ..... 224998 – 225094
General entomology ..... 225095 – 225440
Taxonomic entomology ..... 225441 – 225685
Apiculture and sericulture ..... 225686 – 225793
Agricultural engineering ..... 225794 – 225873
Farm equipment ..... 225874 – 226061
Soil science ..... 226062 – 226378
Soil improvement materials ..... 226379 – 226665
Soil resources and management ..... 226666 – 226718
Water resources and management ..... 226719 – 226852
General natural resources and environmental pollution ..... 226853 – 227112
*Life sciences .....
*Physical sciences and mathematics .....
*Chemistry .....
*Technology .....
*Economics and administration .....
*Social sciences and humanities .....
*Information science .....

*These categories are infrequently used

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PERSONAL AUTHOR INDEX ..... p. 180

INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into nine sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, and a personal author index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

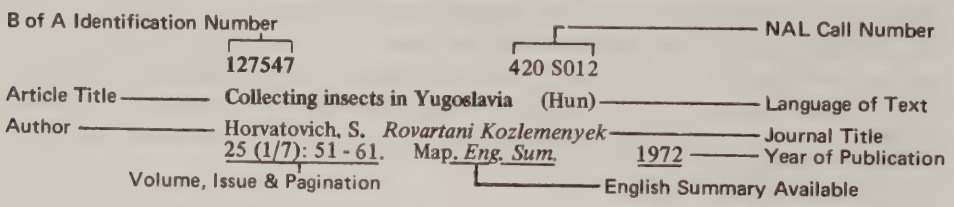
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	**Afrikaans**	**(Fre)**	**French**	**(Mac)**	**Macedonian**
(Alb)	**Albanian**	**(Geo)**	**Georgian**	**(Nor)**	**Norwegian**
(Arm)	**Armenian**	**(Ger)**	**German**	**(Pol)**	**Polish**
(Aze)	**Azerbaijani**	**(Gre)**	**Greek**	**(Por)**	**Portuguese**
(Bel)	**Belorussian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bul)	**Bulgarian**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Bur)	**Burmese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Chi)	**Chinese**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cro)	**Croatian**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Cze)	**Czech**	**(Jpn)**	**Japanese**	**(Spa)**	**Spanish**
(Dan)	**Danish**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
(Dut)	**Dutch**	**(Lat)**	**Latin**	**(Tha)**	**Thai**
(Est)	**Estonian**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
(Fin)	**Finnish**	**(Lit)**	**Lithuanian**	**(Ukr)**	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

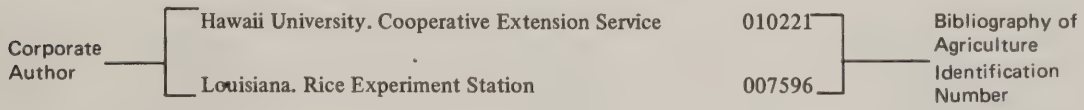
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

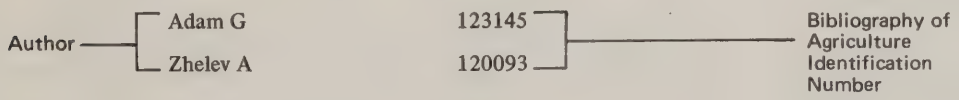
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

Microfilms:	$1.00 for each 30 pages or fraction copied from a single article or book
Electrostatic Copies:	$1.00 for each 10 pages or fraction copied from a single article or book.

Payment must accompany the order. Cash, library coupons, check, or money order drawn to the National Agricultural Library, USDA, are acceptable. Payment for orders originating outside the United States should be made by international money order or draft on an American bank, or by UNESCO book coupons. Library coupons, valued at $1.00 each, may be purchased in any quantity from the Library's Photocopying Service.

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A E Pap Okla State Univ Dep Agric Econ
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric
Acrida
Acta Amazonica
Acta Anat
Acta Anat Nippon
Acta Biol Med Ger
Acta Endocrinol
Acta Entomol Fenn
Acta Neurobiol Exp
Acta Pathol Microbiol Scand, Sect A Pathol
Acta Physiol Scand
Acta Pol Pharm
Acta Soc Bot Pol
Acta Univ Agric, Fac Agron
Acta Vet Scand
Acta Virol
ADAS Q Rev (Agric Dev Advis Serv)
Adv Behav Biol
Adv Cancer Res
Adv Environ Sci Technol
Adv Front Plant Sci
Advis Leafl Minist Agric Fish Food (Edinb)
AE Dep Agric Econ Rural Sociol Clemson Univ
AEN Dep Agric Eng Univ Ky Coop Ext Serv
Aerial Appl
AERR Dep Agric Econ Agric Exp Stn Univ Ill Urbana Champaign
Afr Rural Employ Pap Mich State Univ Dep Agric Econ
Africa
Agrar Rundsch
Agrarwirtschaft
Agrekon
AGRI MECH Econ Comm Eur U N
Agric Adm
Agric Agroind J
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Econ Res
Agric Educ
Agric Handb U S Dep Agric
Agric Hortic
Agric Medio Ambiente
Agric Merch
Agric North Irel
Agric Res
Agric Situation (Washington)
Agricoltura
Agrinews (Botswana)
Agrochemophysica
Agrochimica
Agrokhim Kharakt Pochv SSSR Pochv Inst Im V V Dokuchaeva
Agrokhimiia
Agrologist
Agron J
Agrosintesis
Aktuel Lantbrukshogsk (Upps)
Aktuel Litinf Obstbau Berlin Tech Univ Bibl
Allg Dtsch Imkerztg
Am Bee J
Am Christmas Tree J
Am Dairy Rev
Am Family Physician
Am For
Am Fruit Grow
Am Honey Prod
Am J Bot
Am J Clin Nutr
Am J Enol Vitic
Am J Physiol
Am J Sci
Am J Trop Med Hyg
Am J Vet Res
Am Lab
Am Midl Nat
Am Nat
Am Nurserym
Am Orchid Soc Bull
Am Potato J
Am Sci
Am Veg Grow
AMS U S Dep Agric Agric Mark Serv
An Acad Bras Cienc
An Inst Biol Univ Nac Auton Mex Ser Bot
Anim Behav
Anim Blood Groups Biochem Genet
Anim Breed
Ann Amelior Plant
Ann Fac Med Vet Torino
Ann Histochim
Ann Ist Super Sanita (Roma)
Ann Med Vet
Ann Naturhist Mus Wien
Ann Phytopathol Soc Jap
Ann Zool Pol Akad Nauk Inst Zool
Annu Prog Rep N Y Farm Electrific Counc
Annu Rep Coll Agric Agric Exp Stn Univ Ky
Annu Rep Dep Plant Biol Carnegie Inst
Annu Rep Grassl Res Inst (Hurley)
Annu Rep Proc Oreg Hortic Soc
Annu Rep Radiat Cent Osaka Prefect
Annu Rev Biochem
Annu Stat Rep, Rural Teleph Borrow
Anu Soc Broter
Anz Schadlingskd Pflanzenschutz
Aquat Bot
Arb DLG (Dtsch Landwirtsch Ges)
Arb Osterreich Kurator Landtech
Arboric Fruit
Arboric Legno
Arch Biochem Biophys
Arch Environ Health
Arch Gartenbau
Arch Hydrobiol
Arch Latinoam Nutr
Arch Mikrobiol
Arch Toxikol
Arch Virol
Arctic
Arecanut Spices Bull
Arkh Anat Gistol Embriol
Arnoldia
Arq Esc Vet Univ Fed Minas Gerais
ARS-NE U S Agric Res Serv Northeast Reg
ARS-S U S Agric Res Serv South Reg
Atlas Stuct Agraires Sud Sahara
Auburn Vet
Aus Walde
Aust Bee J
Aust Beekeep
Aust Entomol Mag
Aust For
Aust For Ind J
Aust J Agric Res
Aust J Bot
Aust J Chem
Aust J Dairy Technol
Aust J Exp Agric Anim Husb
Aust Orchid Rev
B Coop Ext Programs Univ Wisc
Bamidgeh
Baromfiipar
Baromfitenyesztes
Bedrijfsontwikkeling
Bee Craft
Beitr Biol Pflanz
Beitr Stat Hessens
Ber Dtsch Bot Ges
Ber Eidg Anstalt Forstl Vers
Beret Forsogslab (Kobenh)
Berl Munch Tierarztl Wochenschr
Bhagirath
Biatas, The Tillage Farmer
Biene
Bienenpflege
Bienenvater
Bienenwelt
Bi-mon Res Can For Serv
Biochem Biophys Res Commun
Biochem Genet
Biochem J
Biochem Pharmacol
Biochem Physiol Pflanz BPP
Biochem Syst
Biochemistry (Easton)
Biochim Biophys Acta
Biochimie
Bioelectrochem Bioenerg
Biokhimiia
Biol Arb
Biol Conserv
Biol Plant
Biol Skr K Dan Vidensk Selsk
Biol Unser Zeit
Biologia, Ser A Bot
Biophys J
Birokteren
Bol Tec Univ Concepc Esc Agron Estac Exp (Chile)
Bonn Zool Beitr
Bot Mag
Bot Mar
Bot Zh
Br Food J
Br J Exp Pathol
Br Poult Sci
Br Sugar Beet Rev
Br Vet J
Brauwelt
Brauwissenschaft
Bryologist
Budownictwo Wiejsk
Bull A S P S (Afr Suc Plant Soc)
Bull Acad Vet Fr
Bull Agric Exp Stn Div Agric Univ Arkansas
Bull Am Assoc Bot Gard Arboreta
Bull Am Iris Soc
Bull B Agric Exp Stn Okla State Univ
Bull Calif Dep Water Resour
Bull Calif Insect Surv
Bull Calif Water Pollut Contr Assoc
Bull Coop Ext Serv Ohio State Univ
Bull Environ Contam Toxicol
Bull Fac Agric Mie Univ Tsu Jap
Bull Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Bull INACOL (Inst Natl Amelior Conserves Legumes)
Bull Lincoln Coll N Z Dep Hortic
Bull Math Biophys
Bull Minist Agric Lands (Malaysia)
Bull Mus Comp Zool (Harvard Univ)
Bull Natl Inst Agric Sci, Ser B Soils Fert
Bull S D State Univ Agric Exp Stn
Bull Soc Bot Fr
Bull Soc R Bot Belg
Bull South Aust Dep Agric
Bull Tex Crop Livest Rep Serv
Bull Trimest Soc For Franche Comte Prov Est
Bull Univ Ill Coll Agric Agric Exp Stn
Bull Univ R I Coop Ext Serv
Bull Wash (State) Agric Exp Stn
Bull Wash State Univ Ext Serv
Bull Wildl Dis Assoc
Buvar
C Coop Ext Serv Kans State Univ
C R Trav Lab Carlsberg
Calif Ariz Cotton
Calif Turfgrass Cult
Calif Vet
Calif West States Grape Grow
Can Agric Eng
Can For Ind
Can Home Econ J
Can J Agric Econ
Can J Biochem
Can J Bot
Can J Microbiol
Can J Soil Sci
Can J Zool
Carbohydr Res
Cattleman
Cattlemen
Cell Mass Inst Technol
Cell Tissue Res
Cellul Carta
Cellul Chem Technol
CELOS Bull (Cent Landbouwkd Onderz Surinam)
Centralbl Gesamte Forstwes
Cereal Chem
Checklist Beetles Can U S Mex Cent Am West Indies North Am Beetle Fauna Proj
Chem Age India
Chem Commun
Chem Ind (Lond)
Chem Pharm Bull
Chem Stosow
Chem Unser Zeit
Chromosoma
Chron Hortic
Cienc Invest
Circ Agric Exp Stn Auburn Univ
Circ Coop Ext Ser Univ Ga Coll Agric
Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Circ Wash Agric Exp Stn
Citrograph
Citrus Ind
Citrus Sub-Trop Fruit J
Citrus Veg Mag

Clays & Clay Miner
Clin Exp Pharm Physiol
Clin Vet
Coconut Bull
Collect Czech Chem Commun
Commun Soil Sci Plant Anal
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol B, Comp Biochem
Compact Fruit Tree
Conn Greenhouse Newsl
Conn Woodl
Contrib Cent Res Inst Agric (Bogor)
Coop Econ Insect Rep
Cotton Gin Oil Mill Press
Crops Soils
CSIRO Food Res Q
Ctry Life
Cultivator
Curr Sci
Cytol Genet
Dairy Farmer
Dairy Herd Manage
Dairy Tales
Dan Erhvervsfjerkrae
Dan Pelsdyravl
Dansk Kemi
Det Nye Dan Landbrug
Dev Biol
Div Land Res Tech Pap C S I R O
Div Plant Ind Tech Pap Commonw Sci Ind Res Organ Aust
Dokl Akad Nauk Az Ssr
Dokl Akad Nauk BSSR
Dokl Akad Nauk SSSR
Dokl Akad Nauk Tadzh SSR
Dokl Akad Nauk UzSSR
Drobiarstwo
Drvna Ind
Dtsch Baumsch
Dtsch Lebensm Rundsch
Dtsch Milchwirtsch
Dtsch Molk Ztg
Dtsch Muller Ztg
DVM (Chicago)
East Grape Grow
Eau Amenagement Reg Provencale
ECE/AGRI U N Jt FAO/ECE Agric Div
Ecol Res Ser EPA U S Environ Prot Agency
Ecol Stud Anal Synth
Ecologist
Econ Agric
Econ Bot
Econ Plann
EM Coop Ext Serv Coll Agric Wash State Univ
Empress Chinchilla Breeder
Endocrinology
Eng Res Bull Div Eng Res La State Univ
Entomol Ber (Amsterdam)
Entomol Ger
Entomol Mem
Entomol Newsl
Entomol Rev
Entomol Z
Environ Entomol
Environ Lett
Environ Monit Ser EPA U S Environ Prot Agency
Environ Physiol Biochem
Environ Pollut
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Res
Erdo
ERFA (Erdogazdasag Faipar)
ERS U S Dep Agric Econ Res Serv
Euphytica
Eur J Appl Microbiol
Eur J Biochem
Eur J For Pathol
Exp Agric
Exp Parasitol
Experientia
Experientiae
Explos Hunger 1975
Ext Bull Coop Ext Serv Agric Exp Stn N D State Univ
Ext Bull Dep Agric South Aust
Ext Fol Agric Ext Serv Univ Minn
FAO Libr Occas Bibliogr
Farm Fact
Farm Food Res
Farm Manage
Farmer (Jam Agric Soc)
Farmer Parliament
Farmers Bull
Farmers Bull U S Dep Agric
FCS Res Rep Farmer Coop Serv U S Dep Agric
FDA By-Line [Food Drug Adm]
FDA Consumer
FEBS Lett (Fed Eur Biochem Soc)
Feddes Repert
Feedlot Manage
Feld Wald Wasser Schweiz Jagdztg
Feldwirtschaft
Feline Pract
Fermes Mod
Fette Seifen Anstrichm
Fibre Sci Technol
Field Notes U S For Serv
Fieldiana Bot
Fiji Timbers Their Uses
Financ Rep North Scotl Coll Agric Agric Econ Div Sch Agric Aberdeen
Fire Control Notes
Fitoterapia
Fiziol Biokhim Kult Rast
Fiziol Zh SSSR
Fjaderfa
Fjorfe
Flavour Ind
Fleisch
Fleischwirtschaft
Florists Rev
Flower And Gard West Ed
Flugbl Bundesanst Pflanzenschutz Landwirtsch Bakteriol Versuchsanst
Folia Entomol Hung
Folia For
Folia Parasit
Food Home Notes
Food Manuf
Food Nutr
Food Nutr Notes Rev
Food Process Ind
Food Technol Aust
Food Technol N Z
Food Technol Rev
For Bull Dep For Clemson Univ
For Chron
For Ind
For Prod J
For Sci
For Tree Improv
For Tree Ser Commonw Aust Dep Natl Dev For Timber Bur
Forderungsdienst
Foreign Agric Circ, Cotton F C (U S Dep Agric)
Foreign Agric Circ, Dairy FD (U S Dep Agric)
Foreign Agric Circ, Fibers FVF (U S Dep Agric)
Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)
Foreign Agric Econ Rep U S Dep Agric Econ Res Serv
Foreign Agric U S Foreign Agric Serv
Forma Functio
Forst Holzwirt
Forstwiss Centralbl
Fragm Entomol
Fresenius Z Anal Chem
Freshwater Biol
Frugtavleren
Fruit Belg
Fruit Var J
Fruit World Mark Grow
FVMPA Butter-Fat (Frazer Val Milk Prod Assoc)
G Bot Ital
Ga Agric Res
Ga Vet
Gard J
Gartenbau
Gartneryket
Gaz Cukrow
Gazdalkodas
Gemuse
Gen & Comp Endocrinol
Gen Ser Colo State Univ Exp Stn (Fort Collins)
Genetica
Genetics
Genetika
Geoderma
Geol Surv Prof Pap U S Dep Inter
Geol Surv Water Supply Pap
Geomorfologiia
Getreide Mehl Brot
Glean Bee Cult
Gosamvardhana
Gospod Miesna
Ground Water
Growth
Grune
Hassadeh
Haven
Highlights Agric Res
Hoards Dairym
Hog Farm Manage
Holly Lett
Holz Kunststoffverarbeitung
Holzwirtsch Jahrb
Home Econ Res J
Home Gard Bull U S Dep Agric
Hopfenrundschau
Hoppe Seylers Z Physiol Chem
Hortic News (N J State Hortic Soc)
Hortic Res
Hortsci
Hutoipar
Hydrobiol Bull
Hydrobiologia
Hydrol Pap Colo State Univ
ICID Bull (Int Comm Irrig Drain)
Imkerfreund
Immunochemistry
Immunology
Imple Tractor
In Agriculture: Food & Man
In Biology in Pest and Disease Control Symposium of the British Ecological Society
In Chronobiology. L. E. Scheving, F. Halberg & J. E. Pauly, eds.
In Corn Quality in World Markets. L. D. Hill, ed.
In Das Umweltproblem in Okonomischer Sicht Symposium
In Economics of Cocoa Production and Marketing Proceedings Cocoa Economics Research Conference
In Grasslands of the United States. H. B. Sprague, ed.
In Handbuch der Desinfektion und Sterilisation
In Historia Social da Agro-Industria Canavieira Museu do Acucar
In Hormonal Proteins and Peptides, Choh Hao Li, ed.
In Khimicheskii sostav kormov po zonam SSSR
In Land and Water Use in Oregon; Seminar Oregon State University Water Resources Research Institute
In Landschaftsschutz und Umweltpflege
In Leikozy Sel'skokhoziaistvennykh Zhivotnykh
In Mem Congr For Nac
In Organochlorine Insecticides: Persistent Organic Pollutants. F. Moriarty, ed.
In Peasant Rebellion and Communist Revolution in Asia. J. W. Lewis, ed.
In Pharmacol Intest Absorpt Gastrointest Absorpt Drugs
In Priorities in Water Management. F. M. Leversedge, ed.
In Problems in Wheat and Corn Growing JPRS
In Proceedings of the International Symposium on Aging Gametes Their Biology and Pathology
In Proceedings of the Symposium on the Effects of Neutron Irradiation Upon Cell Function
In Recent Advances in Air Pollution Control
In Soil Microscopy Proceedings of the International Working Meeting on Soil Micromorphology
In Solid Wastes Origin Collection Processing & Disposal. C. L. Mantell
In Study Week on the use of Fertilizers and their effect on Crop Growth, with Emphasis on Quality and Economy
In Sulphur in Australasian Agriculture. K. D. McLachlan, Ed.
In Symposium on Isotope and Radiation Techniques in Soil Physics and Irrigation Studies
In The Biology of Nitrogen Fixation. A. Quispel, ed.
In Wheat Breeding JPRS
Ind Obst Gemuseverwert
Ind Veg Manage
Indian Cof
Indian Dairym
Indian For
Indian Hortic
Indian J Anim Sci
Indian J Biochem
Indian J Exp Biol
Indian J Weed Sci
Indian Oil Soap J
Indian Sugar
Indian Vet J
Inf Conf Cursos Reun I I C A (Interam Inst Cienc Agric)
Inf Estad Secr Recursos Hidraul Dir Gen Dist Riego Dir Estad Estud Econ (Mexico)
Inf Inst Skogsforbattring Skogstradsforadling
Inf Ortofruttic
Inf Rep BC-X Pac For Res Cent
Insect Biochem
Insects Soc
Int Biodeterior Bull
Int Chem Eng
Int J Biochem
Int J Ecol Environ Sci
Int J Insect Morphol Embryol
Int J Parasitol
Int J Vitam Nutr Res
Inten Agric
Ir Agric Cream Rev
Ir Beekeep (An Beacaire)
Irrig Age Hereford
Irrig J
Isl Landbunadar Rannsok
Ital Agric
Izv Akad Nauk SSSR, Ser Khim
Izv Timiriazevsk S-kh Akad
J Agric (Melb)
J Agric Sci (Camb)
J Agric Tasman
J Air Pollut Control Assoc
J Am Anim Hosp Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Soc Inf Sci
J Am Soc Sugar Beet Technol
J Am Vet Med Assoc
J Am Water Works Assoc
J Anat
J Anim Sci
J Appl Chem
J Appl Physiol
J Appl Polym Sci
J Arboric
J Atmos Sci
J Aust Inst Agric Sci
J Bacteriol
J Biochem (Tokyo)
J Biol Chem
J Biomech
J Bromeli Soc
J Can Diet Assoc
J Chem Soc, Perkin Trans I
J Chromatogr
J Chromatogr Sci
J Comp Physiol
J Comp Physiol Psychol
J Dairy Sci
J Econ Entomol
J Embryol Exp Morphol
J Entomol Ser A Physiol & Behav
J Entomol, Ser B, Taxon
J Environ Eng Div Proc Am Soc Civ Eng
J Environ Qual
J Exp Bot
J Exp Zool
J Ext
J Fac Agric Kyushu Univ
J Fac Sci Univ Tokyo, Sect iv Zool
J Fac Text Sci Technol Shinshu Univ, Ser A Biol
J Ferment Technol
J Flour Anim Feed Milling
J For Suisse
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Helminthol
J Histochem Cytochem
J Hokkaido For Prod Res Inst
J Hydraul Res
J Hyg
J Immunol Methods
J Indian Chem Soc
J Insect Physiol
J Irrig Drain Div Proc Am Soc Civ Eng
J Jap For Soc
J Jap Vet Med Assoc
J Kans Entomol Soc
J Med Entomol
J Membr Biol
J Microsc (Lond)
J Microsc (Paris)
J Milk Food Tech
J Milk Food Technol
J Mol Biol
J Northeast Agric Econ Counc

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

J Nutr
J Nutr Educ
J Org Chem
J Pharm Soc Jap
J Physiol
J Polym Sci, Part A 1 Polym Chem
J Polym Sci, Part A-2
J Protozool
J Range Manage
J Reprod Fertil
J Res Punjab Agric Univ
J Sci Food Agric
J Sediment Petrol
J Soc Agric Mach Jap
J Steroid Biochem
J Submicrosc Cytol
J Tenn Acad Sci
J Text Inst
J Theor Biol
J Turk Phytopathol
J Ultrastruct Res
J Water Pollut Control Fed
Jap J Appl Entomol Zool
Jap J Ecol
Jap J Parasitol
Jap J Sanit Zool
K Skogs Lantbruksakad Tioskr
Kajitsu Nippon
Kakteen Sukkulenten
Kalmar Hushallningssallsk Tidskr
Kartoffelbau
Kem Tidskr
Kenya Cof
Kew Bull
Kitchen Planning
Konchu
Kozl, Mellek Takarmanytermesztesi Kut Intez Kozl (Iregszemcse)
Kraftfutter
Lab Invest
Land Econ
Landbo Nyt
Landbouw Serv
Landbrukstidende
Landschaft Stadt (Stuttgart)
Landtechnik
Landwirtsch Angew Wiss
Lantbrukshogsk Medd, Ser A
LASCA Leaves (Los Ang State Cty Arbor)
Latte
LC (Listy Cukrov)
Lebensm Ind
Lepid Soc News
Lesn Khoz
Lesn Zh Izv Vyssh Uchebn Zaved
Lesnictvi
Life Sci
Limnol Oceanogr
Lipids
Livest Prod Sci
Lohnunterne Land Forstwirtsch
Lozar Vinar
LWT (Lebensmitt Wissensch Technol)
Maelkeritidende
Magy Allatvilaga
Magy Textiltech
Mar Biol
Mater Org
Math Biosci
Medd Statens Forsogsvirksomhed Plantekult
Medd Sven Traforskningsinst
Meded Neth Alg Keurinsd Zaai Pootgoed Landbouwgewassen
Medlemsbl Dan Dyrlaegeforen
Meheszet
Meieriposten
Mejeribrugets Uge-Nyt
Melissocomiki Ellas
Mem Nat Mus Victoria
Mem Soc Broter
Metsantutkimuslait Julk
Mezhdunar S-kh Zh
Mezogazd Tech
Miasn Ind SSSR
Mich Farm Econ
Microb Ecol
Microbiology
Microchem J
Mikroelem Zhivotnovod Rastenievod
Milch Prax Rindermast
Minn Agric Econ
Minutes Proc Annu Meet Can Weed Comm West Sect
Misc Publ U S Dep Agric
Misc Rep Minn Agric Exp Stn
Mitt Biol Bundesanst Land Forstwirtsch (Berlin-Dahlem)
Mitt Bundesforschungsanst Forst Holzwirtsch
Mitt DLG (Dtsch Landwirtsch Ges), Ausg A
Mitt Entomol Ges Basel
Mitt Forstl Bundes-Versuchsanst Wien
Mitt Munch Entomol Ges
Mitt Schweiz Entomol Ges
Mo Bot Gard Bull
Mod Dairy
Mod Vet Pract
Molk-Ztg Welt Milch
Monatsh Chem
Monit Zool Ital, Suppl
Monogr Can Dep Agric
Monti Boschi
Mosq Syst News Lett
MP Tex A M Univ Tex Agric Exp Stn
MP Univ Md Agric Exp Stn
Mt Grow
Muhle Mischfuttertech
Mushi
Mushroom J
Mutat Res
Mycol Mem
Mycol Pap Commonw Mycol Inst
Mycologia
N C Agric Stat
N D Farm Res
N Y Food Life Sci Bull N Y State Agric Exp Stn
N Z J Agric
N Z J For Sci
N Z J Geol Geophys
N Z J Sci
N Z J Zool
N Z Soil News
N Z Vet J
Na Okika O Hawaii (Hawaii Orchid J)
Nachrichtenbl Dtsch Pflanzenschutzd
Nahrung
Nat Mus
Nat Sci Mus
Natl Agric Outlook Conf
Natl Food Situation
Natl Pest Control Oper News
Natl Wool Grow
Natura
Naturalist
Nature
Naturwissenschaften
Nauka Pol
Naunyn Schmiedbergs Arch Pharmakol
Nebr Tractor Test
Ned Bosbouw Tijdschr
Neth J Plant Pathol
Neuroendocrinology
Neurospora Newsl
New Sci (London)
Niwatori-no-kenkyu Nowatori No Kenkyusha (Poult J Poult Resassoc)
Nogyo Kisho J Agric Meteorol
Noko-To-Engei (Agric Hortic)
Nor Hagetid
Nor Landbruk
Nor Pelsdyrbl
Nor Skogbruk
Nor Skogind
Nord Veterinaermed
Notes Water Pollut Water Pollut Res Lab
Nouv Avic
Nov Zhini Nauke Tekh, Ser Biol
Nowe Roln
Nucleic Acids Res
Nutr Metab
Nutr Newslett
Nutr Rep Int
Nutr Rev
Nutrition
Ny Jord
Occas Pap Agric Econ Unit Dep Land Econ Univ Camb
Occas Pap For Res Div Bur For Dep Agric Nat Resour (Philipp)
Ochr Rosl
Off Insp Life Sci Agric Exp Stn Univ Maine Orono
Ohio J Sci
Ohio Rep Res Dev Agric Home Econ Nat Resour
Oil Palm News
Oils Oilseeds J
Onderstepoort J Vet Res
Ontogenez
Orchard N Z
Orchid Dig
Org Gard Farming
Osteuropastud Hochsch Landes Hassen, Reihe I, Giessner Abh Wirtsch Europ Ostens
Ovtsevodstvo
Owoce Warz Kwiaty
P R Tex Agric Exp Stn Coll Stn
PA U S Dep Agric
Pac Discov
Pak J For
Pamiet Pulawski
Pap Present Annu Conf Vt Dairy Ind Assoc
Pap Puu
Papier
Parazitologiia
Pastor Rev
PB Natl Tech Inf Serv Commer
Pchelarstvo
Pchelovodstvo
Peanut J Nut World
Pecan Q
Pedologie
Pest Control
Pest Control Circ Sunkist Grow
Pestic Biochem Physiol
Pestic Monit J
Pesticides
Pflanzenarzt
Pflugers Arch
Philipp J Vet Med
Philipp Sugar Inst Q
Philos Trans R Soc Lond, Ser B Biol Sci
Phospho Potas
Photochem Photobiol
Photosynthetica
Phycologia
Phys Zool
Physiol Plant
Physis Secc A
Physis Secc B
Physis Secc C
Phytopathol Z
Phytopathology
Plant Cell Physiol
Plant Chron
Plant Dis Rep
Plant Sci Bull
Planta
Plants Gard
PM Coop Ext Serv Iowa State Univ
Pochvovedenie
Pork Ind Gaz
Postepy Nauk Roln
Potato Res
Poult Guide
Poult Patter Agric Ext Serv Univ Minn
Poult Sci
Poult Trib
Power Farming
Prakt Schadlingsbekampf
Prakt Tier
Principes
Priroda (Mosk)
Proc Annu Conv Southeast Pecan Grow Assoc
Proc Annu Meet AFMA Nutr Counc (Am Feed Manuf Assoc)
Proc Annu Meet Can Soc Agron
Proc Annu Meet East Snow Conf
Proc Annu Meet West Agric Econ Assoc
Proc Annu Recipro Meat Conf Am Meat Sci Assoc
Proc Calif Fert Conf
Proc Can Soc Hortic Sci
Proc Entomol Soc Wash
Proc Indian Acad Sci, Sec B
Proc Inst Food Sci Technol (U K)
Proc Iowa Acad Sci
Proc Linnean Soc N S W
Proc Miss Water Resour Conf
Proc Natl Acad Sci U S A
Proc Nutr Soc
Proc R Entomol Soc Lond, Ser C J Meet
Proc R Soc Lond, B Biol Sci
Proc Soc Exp Biol Med
Proc Tex Turfgrass Conf
Proc West For Conf
Process Biochem
Prog Farming
Prog Rep Colo State Univ Fort Collins Exp Stn
Prog Rep Pa State Univ Agric Exp Stn
Protoplasma
Przegl Zboz Mlyn
Przegl Zool Pol Tow Zool
Przem Spozyw
Pszczelarstwo
Publ Landbouw Econ Inst Afd Streekonderz
Publ Landbouw Econ Inst Afd Tuinbouw
Publ R Univ Wis Coll Agric Life Sci
Pulp & Pap Can
Q J Chin For
Q J Fla Acad Sci
Q J For
Q J R Meteorol Soc
Q Serv Farm Ranch Home Univ Nebr Coll Agric Home Econ
Queensl Agric J
R T I A (Rev Tech Econ Ind Aliment)
Radiat Bot
Radiat Environ Biophys
Radiat Res
Radiobiologiia
Radiobiology
Range Sci Ser
Rapp Uppstats Inst Skogsprod Skogshogsk (Stockh)
Rasen Turf/Gazon
Rass Chim
Rastit Resur
Recht Landwirtsch
Reg Veg
Relat Cient Univ Sao Paulo Esc Super Agric Luiz de Querioz Dep Inst Genet
Rep Hannah Res Inst
Rep Ser Arkansas Agric Exp Stn (Fayetteville)
Rep Water Res Found Aust Ltd
Rep Water Resour Cent Calif Univ
Res Bull Ohio Agric Res Dev Cent
Res Norw Agric
Res Note For Comm N S W
Res Notes B C For Serv
Res Rep Mont Agric Exp Stn Mont State Univ
Residue Rev
Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Respir Physiol
Rev Fac Med Vet Zootec Univ Sao Paulo
Rev Gen Bot
Rev Hortic Suisse
Rev Iber Parasitol
Rev Palaeobot Palynol
Rev Rural Sci
Rev Suisse Vitic Arboric Hortic
Rev Vet Can
Rheinische Bienenztg
Rhod Agric J
Rickia Arq Bot Estado Sao Paulo Ser Criptogam
Riso
Riv Agron
Riv Econ Agrar
Riv Ital Sost Grasse
Riv Polit Agrar
Riv Zootec Vet
Rocz Akad Roln Poznan
Rocz Technol Chem Zywn
Rostl Vyroba
Rubber Board Bull
Rural India
Russ Chem Rev
S Afr Sugar J
Sadovod Vinograd Vinodel Mold
Sanchi Kenkyu Acta Sericol
Sb Nauchn Rab Vses Nauchno-Issled Inst Sadovod
Sb Nauchn Tr Eesti Pollumajanduse Akad
Sb UVTI, Ochr Rostl Cesk Akad Zemed (Ustav Vedeckotech Inf)
Scand J Immunol
Schlacht Viehhof Ztg
Schr Naturwiss Ver Schleswig Holstein
Schriftenr Landwirtschaftl Fak Univ Kiel
Schweiz Arch Tierheilkd
Schweiz Landtech Dtsch Ausg
Schweiz Z Obst Weinbau
Sci Hortic
Sci New Guinea Univ Papua
Science
Search Agric
Seifen Ole Fette Wachse
Sel Semenovod (Kiev)
Sementi Elette
Sheepfarming Annual (Massey Univ)
Shokubutsu Boeki
Short Term Leafl Minist Agric Fish Food (Middlesex)
Sib Vestn S-kh Nauk
Simmental Shield
Skr K Nor Vidensk Selsk
Smithson Contrib Bot
Smithson Contrib Zool
So Afr Bee J
Soc Econ Stud

Soil Assoc
Soil Biol Biochem
Soil Conserv
Soil Sci Plant Nutr
Soil Ser Dep Soil Sci Univ Minn
Soil Water
Solid Wastes
South Aust Dairym J
Sov Genet
Stat Bull U S Dep Agric
State Vet J
Statens Vaxtskyddsanst Medd (Stockh)
Stensiltr Inst Bygningstek Nor Landbrukshogsk
Sugar News
Sugar Technol Rev
Sugarbeet
Sulphur
Sven Frotidn
Sven Papperstidn
Sver Utsadesforen Tidskr
Swed J Agric Res
Symp Br Soc Parasitol
Synchronos Georgia
Tabak
TAG (Theor Appl Genet)
Taiwania
Tec Molit
Tech Bull Agric Res Inst Minist Agric Nat Resour (Nicosia)
Tech Bull Agric Res Serv U S Dep Agric
Tech Bull Colo State Univ Exp Stn
Tech Bull Dep Agric West Aust
Tech Bull Dep Nat Resour (Madison)
Tech Bull N C Agric Exp Stn
Tech Bull Univ Maine Orono Life Sci Agric Exp Stn
Tech Rep Water Resour Res Cent Univ Hawaii
Tenn Farm Home Sci Prog Rep
Termeszet Vilaga
Terra
Tetrahedron
Tetrahedron Lett
Tex Agric Prog
Tidskr Skogbruk
Tidsskr Landokon
Tidsskr Plant
Tierarztl Umsch
Tierwelt Dtschl Angrenzen Meersteile Ihren Merkmal Ihrer Lebenweise
Tierzuchter
Tijdschr Diergeneeskd
Top Livest Farming
Toxicol Appl Pharmacol
Toxicology
Tr Inst Eksp Meteorol
Tr Inst Mikrobiol Virusol
Tr Prikl Bot Genet Sel
Trans R Entomol Soc Lond
Trans R Soc South Aust Inc
Trans R Soc Trop Med Hyg
Trop Agric Res Ser
Trop Dis Bull
Trop Stored Prod Inf
Trzoda Chlew
TSitologiia
Turfgrass Conf Proc (Univ Ill)
TVS Veg Situation Econ Res Serv U S Dep Agric
U S D A For Serv Res Note Fpl (U S Dep Agric For Prod Lab)
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap NE (U S Dep Agric Northeast For Exp Stn)
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)
U S For Serv Res Pap RM (Rocky Mt For Range Exp Stn)
Ugeskr Agron Hortonomer
Uitvoer Versl Sticht Bosbouwproefstn Dorschkamp
Ukr Bot Zh
Umschau
Umwelt
Umweltschutz
Unser Milchvieh
USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Ext Stn U S Dep Agric
USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)
USDA For Serv Gen Tech Rep NC North Cent For Exp Stn
USDA For Serv Gen Tech Rep NE (U S Dep Agric For Serv Northeast For Exp Stn)
USDA For Serv Gen Tech Rep SE (Us Dep Agric For Serv Southeast For Exp Stn
USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)
USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)
Utah Sci
Uzb Biol Zh
Va For
Var Foda
Veg Grow News
Verh Naturforsch Ges Basel
Vestis Latv PSR Zinat Akad
Vestn Leningr Univ Biol
Vet Arh
Vet Ital
Vet Med (Prague)
Vet Rec
Vet Scope
Veterinariia (Kiev)
Victorian Hortic Dig
Vidensk Medd Dan Naturhist Foren
Vinodel Vinograd SSSR
Visnyk Akad Nauk Ukr RSR
VM SAC (Vet Med Small Anim Clin)
Voeding
Vopr Virusol
VP X Environ Can For Serv
W H O Tech Rep Ser
WAA, World Agric Aviat
Water & Waste Treat
Water Pollut Control
Weed Sci
Weeds Trees Turf
Whats New Plant Physiol
Wiad Ekol
Wine & Spirit
Wines Vines
Winzer
Wiss Z Humboldt Univ Berl
Wiss Z, Math Naturwiss Reihe
Wiss Z Tech Univ Dres
Wood Sci For Prod Res Soc (Madison)
Wood Sci Technol
World Anim Rev
World Crops
World Rev Anim Prod
Worlds Poult Sci J
Xenobiotica
Yillik Bul Kavak Hizli Gelisen Orman Agaclari Arastirma Enst
Z Agrargesch Agrarsoziol
Z Allg Mikrobiol
Z Angew Zool
Z Gesamte Genossenschaftswes
Z Lebensm Unters Forsch
Z Morphol Tiere
Z Pflanzenernahr Bodenkd
Z Pflanzenphysiol
Z Pflanzenzucht
Z Tierphysiol Tierernahr Futtermittelkd
Z Tierpsychol
Zemed Ekon
Zemed Tech
Zern Maslichn Kul't
Zesz Probl Postepow Nauk Roln
Zool Meded Rijksmus Nat Hist Leiden
Zool Zh
Zootec Nutr Anim
ZP (Zool Pol)
Zuchthygiene (Berl)
Zuchtungskunde

MAIN ENTRY SECTION

GENERAL AGRICULTURE AND RURAL SOCIOLOGY

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INTRODUCTION

The *Bibliography of Agriculture* is a monthly index to the literature of agriculture and allied sciences, based upon the indexing records prepared by the U.S. National Agricultural Library, for its CAIN (Cataloging and Indexing) computer system. The Oryx Press, in cooperation with Datagraphics Press, Inc., prepares and publishes the Bibliography under the control of its own computer indexing system.

CONTENT

The National Agricultural Library collects literature related to agriculture from world wide sources. The Bibliography includes journal articles, pamphlets, government documents, special reports, proceedings, etc. Books, new serials and other materials recently cataloged by the Library are announced in the *National Agricultural Library Catalog* published by Rowman and Littlefield. Material covered by both the Bibliography and the Catalog is also available through computerized, on-line interactive systems offered by System Development Corporation and Lockheed Information Systems.

Publications are considered for indexing in the CAIN System if a summary, abstract or title is available in a language in which the Library has expertise. Articles of substantial interest to the agricultural community are selected by specialists on the library staff. Editorials, letters to the editor, regular columns, and articles signed with pseudonyms or initials are not included. Indexing of articles on the processing of agricultural products is limited to those on primary processing. Generally material must have been published in the current year or the preceding year, but exceptions are made for comprehensive volumes or works of special significance to a wide audience.

The Bibliography is now divided into nine sections: A main entry section, five main entry sub-sections, a geographic index, a corporate author index, and a personal author index. In addition, a list of Journal Titles indexed in this issue is included in the front matter.

MAIN ENTRY SECTION

The main entry section provides full bibliographic data for the records added to the CAIN system during the preceding month by the National Agricultural Library.

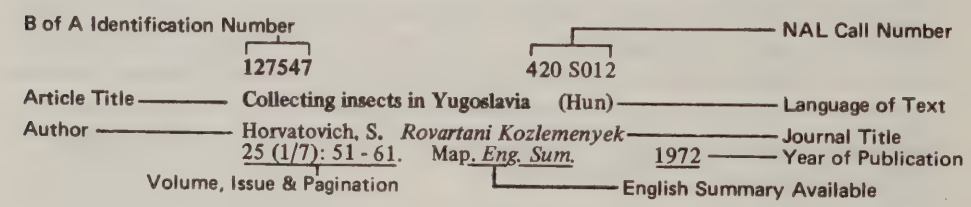
Entries are assigned to one (or more if appropriate) of the broad subject categories shown in the table of contents. The array of subject categories was increased in 1973 to facilitate browsing through a small number of citations of high relevance to a particular interest. Approximately equal numbers of citations will fall into each category over a given period of time. In assigning materials to the categories, first consideration is given to the aspect, discipline or methodology involved, so that the categories will enhance information given in the title.

Within each category, entries are arranged alphabetically by journal title abbreviation. This permits rapid locating and scanning of articles from journals which are known to be relevant.

Each entry begins with a six digit identification number assigned sequentially throughout a volume year. This number serves as an identfier for the item in the various indexes. The call number of the National Agricultural Library is also noted on the first line of each entry, and should be included in any correspondence with the library. All titles are in English, using the Library's translations of non-English titles as necessary. If the text is other than English, the original language is indicated in parentheses following the title, using the following notations:

(Afr)	**Afrikaans**	**(Fre)**	**French**	**(Mac)**	**Macedonian**
(Alb)	**Albanian**	**(Geo)**	**Georgian**	**(Nor)**	**Norwegian**
(Arm)	**Armenian**	**(Ger)**	**German**	**(Pol)**	**Polish**
(Aze)	**Azerbaijani**	**(Gre)**	**Greek**	**(Por)**	**Portuguese**
(Bel)	**Belorussian**	**(Heb)**	**Hebrew**	**(Rum)**	**Rumanian**
(Bul)	**Bulgarian**	**(Hun)**	**Hungarian**	**(Rus)**	**Russian**
(Bur)	**Burmese**	**(Ice)**	**Icelandic**	**(Ser)**	**Serbian**
(Chi)	**Chinese**	**(Ind)**	**Indonesian**	**(Slo)**	**Slovak**
(Cro)	**Croatian**	**(Ita)**	**Italian**	**(Slv)**	**Slovenian**
(Cze)	**Czech**	**(Jpn)**	**Japanese**	**(Spa)**	**Spanish**
(Dan)	**Danish**	**(Kor)**	**Korean**	**(Swe)**	**Swedish**
(Dut)	**Dutch**	**(Lat)**	**Latin**	**(Tha)**	**Thai**
(Est)	**Estonian**	**(Lav)**	**Latvian**	**(Tur)**	**Turkish**
(Fin)	**Finnish**	**(Lit)**	**Lithuanian**	**(Ukr)**	**Ukrainian**

In order to identify bibliographic elements within each main entry, note the following:



MAIN ENTRY SUB-SECTIONS

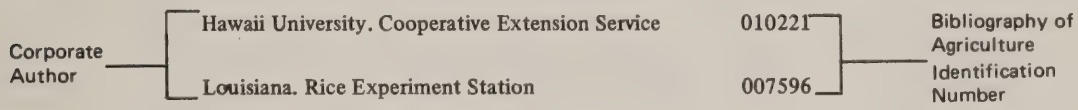
Since The Oryx Press became publisher of the *Bibliography of Agriculture* (in January 1975), five main entry sub-sections have been added. These sections follow The Main Entry Section and appear in the following order: USDA Publications; State Agricultural Experiment Station Publications; State Agricultural Extension Service Publications; FAO Publications; and Translated Publications. Each of these five sections appeared in the original *Bibliography of Agriculture* published by the U.S. Department of Agriculture prior to 1970. The citation format used in these five sections differs from The Main Entry section only in the elimination of the *Bibliography of Agriculture* Identification Number. These numbers have been dropped in these sections because all the entries appear in The Main Entry Section as well as in the sub-sections.

GEOGRAPHIC INDEX

As part of our goal of constantly increasing access to the literature, we have added a geographic index. This index is a direct alphabetic listing of all place names which have been indexed in association with the title. Obviously not all titles will have geographic entries. The indexing division of the National Agricultural Library will add geographic descriptors wherever it is germane to the subject of the article.

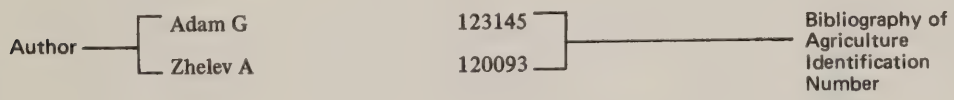
CORPORATE AUTHOR INDEX

Readers will note that the corporate author index is considerably enlarged. We are now able to indicate authorship of the publications of the State Agricultural Experiment Stations and Extension Services. The full corporate citation is given, followed by the six digit identification number referring to its appropriate main entry.



AUTHOR INDEX

All personal authors (to a maximum of ten for each citation) are included in the index. Entries are made by last name and initials, followed by the six digit identification number referring to the bibliographic data in the main entry section.



AVAILABILITY OF REFERENCES CITED

Most of the current publications of the Department of Agriculture, and publications issued by the State Experiment Stations and the State Agricultural Extension Services, may be obtained free of charge by applying directly to the issuing agency. The National Agricultural Library does not distribute them, nor does the publisher.

Users who wish to obtain full text for citations should first utilize the resources of their local libraries. For material which is not readily available from other sources, users may request material from the National Agricultural Library. Such requests must include the complete citation as well as the Library's call number. Microfilm or electrostatic copies of documents may be purchased from the Photocopying Service of the National Agricultural Library, U.S. Department of Agriculture, Beltsville, Maryland 20705. Copy charges are:

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LIST OF JOURNAL TITLE ABBREVIATIONS CITED

A Coop Ext Programs Univ Wis
A E R S Dep Agric Econ Rural Sociol Agric Exp Stn Pa State U
A E Res Dep Agric Econ Cornell Univ Agric Exp Stn N Y State Coll Agric
Abeille Fr Apicul
Abeilles & Fleurs
Abh Hess Landesamtes Bodenforsch
Acad Agric Fr C R Seances
Acta Anat
Acta Biol Iugosl, Ser B Mikrobiol
Acta Biol Med Ger
Acta Bot Neerl
Acta Chem Scand Ser B Org Chem Biochem
Acta Endocrinol
Acta Entomol Bohemoslov
Acta Histochem
Acta Hydrobiol
Acta Med Vet
Acta Microbiol
Acta Microbiol Pol, Ser A Microbiol Gen
Acta Microbiol Sinica
Acta Nat Isl
Acta Neurobiol Exp
Acta Pathol Microbiol Scand, Sect A Pathol
Acta Physiol Scand
Acta Pol Pharm
Acta Trop
Acta Zool (Stockh)
ADAS Q Rev (Agric Dev Advis Serv)
Adv Biophys
Adv Carbohydr Chem Biochem
Adv Food Res
Advis Leafl Minist Agric Fish Food (Edinb)
AE Dep Agric Econ Rural Sociol Clemson Univ
AEN Dep Agric Eng Univ Ky Coop Ext Serv
Afr Violet Mag
AGR Ky Univ Dep Agron
Agrartort Sz
Agrartud Kozl
AGRI MECH Econ Comm Eur U N
Agric Agroind J
Agric Biol Chem
Agric Commer Ind PROSI (Publ Relat Off Sugar Ind)
Agric Econ Bull Afr U N Econ Comm Afr Food Agric Organ U N
Agric Econ Misc Rep N D State Univ Dep Agric Econ
Agric Econ Rep Econ Res Serv U S Dep Agric
Agric Educ
Agric Eng (St Joseph, Mich)
Agric Environ
Agric Gaz N S W
Agric Handb U S Dep Agric
Agric Hist
Agric Ital
Agric Merch
Agric Meteorol
Agric North Irel
Agric Res
Agric Res J Kerala
Agric Res Rev
Agric Technol
Agriculture (Paris)
Agriculture (Que)
Agrikultura
Agrinews (Botswana)
Agro Sur
Agroanimalia
Agrociencia
Agro-Ecosystems (Amsterdam)
Agrokem Talajtan
Agron J
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Agroplantae
Agroservice
Agway Coop
Alimenta
Allg Dtsch Imkerztg
Am Bee J
Am Christmas Tree J
Am Congr Surv Mapp
Am For
Am Fruit Grow West Ed
Am Hortic Mag
Am J Agric Econ
Am J Anat
Am J Bot
Am J Clin Nutr
Am J Physiol
Am J Vet Res
Am Mus Novit
Am Nurserym
Am Potato J
Am Potato Yearb
Am Veg Grow
Amer J Clin Nutr
AMS U S Dep Agric Agric Mark Serv
An Acad Bras Cienc
An Inst Nac Invest Agrar, Ser Prod Anim
An Soc Cient Argent
Anal Biochem
Anal Chim Acta
Anat Rec
Angew Chem Int Ed Engl
Angew Parasitol
Anim Breed
Anim Prod
Ann Accad Naz Agric
Ann Agron
Ann Amelior Plant
Ann Appl Biol
Ann Arid Zone Arid Zone Res Assoc India
Ann Entomol Soc Am
Ann Fac Sci Agrar Univ Stud Napoli Port, Ser Quarta
Ann Genet Sel Anim
Ann Histochim
Ann Ist Sper Fruttic (Rome)
Ann Ist Sper Zootec (Rome)
Ann Med Vet
Ann Mo Bot Gard
Ann Nutr Aliment
Ann Parasitol Hum Comp
Ann Pharm Fr
Ann Phytopathol
Ann Rech Vet
Ann Sci For
Ann Soc Entomol Fr
Ann Tech Agric
Ann Trop Med Parasitol
Annee Biol
Annu Rep Agric Res Counc Letcombe Lab
Annu Rep Bread Res Inst Aust
Annu Rep Inst Ferment Osaka)
Annu Rev Phytopathol
APDC Newsl (Agric Pests Destr Counc)
Appl Anim Ethology
Appl Biochem Microbiol
Appl Microbiol
Arabidopsis Inf Serv
Arb Osterreich Kurator Landtech
Arboric Fruit
Arch Acker- Pflanzenbau Bodenkd
Arch Environ Health
Arch Exp Veterinarmed
Arch Gartenbau
Arch Inst Pasteur Tunis
Arch Int Pharacodyn Ther
Arch Ital Biol
Arch Med Vet
Arch Microbiol
Arch Mikrobiol
Arch Naturschutz Landschaftsforsch
Arch Pharm (Berlin)
Arch Phytopathol Pflanzenschutz
Arch Toxikol
Arch Vet Ital
Arch Virol
Arch Zool Exp Gen
Arkansas Cattle Bus
Arkansas Farm Res
Arkh Anat Gistol Embriol
Arnoldia Rhod
Arq Biol Tecnol
ARS-NC Agric Res Serv U S Dep Agric
ARS-S U S Agric Res Serv South Reg
Artha Vijnana
ASCS Background Inf BI (Agric Stab Conserv Serv)
Atmos Environ
Atoll Res Bull
Ausbild Berat Land Hauswirtsch
Aust Beekeep
Aust Entomol Mag
Aust J Agric Econ
Aust J Agric Res
Aust J Biol Sci
Aust J Chem
Aust J Dairy Technol
Aust J Exp Agric Anim Husb
Aust J Plant Physiol
Aust J Zool
Aust Orchid Rev
Aust Vet J
Avian Dis
Avian Pathol
B Agric Exp Stn Max C Fleischmann Coll Agric Univ Nev Reno
Bacteriol Rev
Baileya
Baromfiipar
Bedrijfsontwikkeling
Bee Craft
Behaviour
Belg Apic
Belg Lait
Ber Schweiz Bot Ges
Beret Forsogslab (Kobenh)
Bhagirath
Biatas, The Tillage Farmer
Bibliogr Ser Inst Pap Chem
Big Farm Manage
Bi-mon Res Can For Serv
Biochem Biophys Res Commun
Biochem Genet
Biochem Syst
Biochemistry (Easton)
Biochim Biophys Acta
Biochimie
Biol Bull
Biol Conserv
Biol J Inst Biol
Biol J Linn Soc
Biol Plant
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Biologia, Ser B Zool
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Bot Bull Acad Sin, New Ser
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Brew Dig
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Bull Akita Fruit Tree Exp Stn
Bull Anc Eleves Ec Meun ENSMIC (Ec Natl Super Meun Ind Cereal
Bull Balai Penelitian Perkebunan Medan
Bull CETIOM (Cent Tech Interprof Ol Metrop)
Bull Chugoku Agric Exp Stn, Ser A
Bull Chugoku Agric Exp Stn, Ser B
Bull Chugoku Agric Exp Stn, Ser E
Bull Conn Agric Exp Stn New Haven
Bull Coop Ext Serv Mont State Univ
Bull Coop Ext Serv Univ Ga Coll Agric
Bull Environ Contam Toxicol
Bull Fac Agric Univ Miyazaki
Bull For Conserv Exp Stn Sch For Mont State Univ
Bull Fukuoka Ken For Exp Stn
Bull Gov For Exp Stn (Tokyo)
Bull Hir Agric Coll
Bull Hokkaido Prefect Agric Exp Stn
Bull Inf CNEEMA (Cent Natl Etud Exp Mach Agric)
Bull Inf Rizic Fr

LIST OF JOURNAL TITLE ABBREVIATIONS CITED

Bull Jap Soc Sci Fish
Bull La State Univ Agric Mech Coll Dep Agron Agric Exp Stn
Bull Mens Soc Linn Lyon
Bull Miss Agric For Exp Stn
Bull Mont Agric Exp Stn Mont State Univ
Bull N D Geol Surv
Bull N S W Dep Agric Div Anim Ind
Bull Natl Inst Anim Ind (Chiba Shi)
Bull Natl Res Inst Agric Eng (Jap)
Bull O I V
Bull OEPP (Organ Eur Mediterr Prot Plant)
Bull Off Int Epizoot
Bull Oreg Entomol Soc
Bull Pac Trop Bot Gard
Bull Res Div, Va Polytech Inst State Univ
Bull Sci Inst Text Fr
Bull Soc Chim Belg
Bull Soc Entomol Fr
Bull Soc Pathol Exot Ses Fil
Bull Soc R For Belg
Bull Soc Sci Nat Ouest Fr
Bull Soc Sci Vet Med Comp Lyon
Bull South Calif Acad Sci
Bull State Ill Dep Regist Educ Ill State Water Surv
Bull Taiwan Agric Res Inst
Bull Tech Inf Minist Agric (Paris)
Bull Tech Inst Natl Rech Agron Dep Genet Anim
Bull Tex Agric Exp Stn Coll Stn
Bull Tex Crop Livest Rep Serv
Bull Trimest Acad Soc Lorraines Sci
Bull Univ Conn Coop Ext Serv
Bull Wash (State) Agric Exp Stn
Bull Wash State Univ Ext Serv
Bull Water Resour Res Cent Va Polytech Inst State Univ
Bull Zoldsegtermesztesi Kut Intez Buvar
C R Acad Bulg Sci
C R Hebd Seances Acad Sci, Ser D Sci Nat
C R Seances Soc Biol Fil
C R Trav Lab Carlsberg
Cac Suc J G B
Cafe Cacao The
Cah Ing Agron
Cah Med Vet
Cah Ser Biol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cah Ser Hydrol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cah Ser Pedol ORSTOM (Off Rech Sci Tech Outre-Mer)
Cajanus
Calcif Tissue Res
Calif Agric
Calif Hortic J
Cameroun Agric Pastor For
Can Agric
Can Entomol
Can Farm Econ
Can J Bot
Can J Genet Cytol
Can J Physiol Pharmacol
Can J Public Health
Can J Soil Sci
Candollea
Cattlemen
CCP F A O
Cell Immunol
Cell Mass Inst Technol
Cell Tissue Res
Cellul Carta
Cereal Chem
Cereal Foods World
Ceres
Cerrado
Chem Ber
Chem Commun
Chem Ind (Lond)
Chem Ing Tech
Chem Nat Compd
Chem Pharm Bull
Chem Phys Lipids
Chem Spozyw
Chem Tech (Amsterdam)
Chih-wu Hsueh-pao
Chrysanthemum
Cienc Invest
Circ Coop Ext Serv Mont State Univ
Circ Estac Exp Agric (Tucuman)
Circ Fla Agric Exp Stn Inst Food Agric Sci Univ Fla Gainesville
Circ N C Agric Ext Serv
Circ N J Crop Rep Serv N J Dep Agric U S Dep Agric
Citrus Ind
Clin Exp Immunol
Clin Vet
Coedwigwr
Coleopt Bull
Collect Czech Chem Commun
Commun Soil Sci Plant Anal
Comp Biochem & Physiol A, Comp Physiol
Comp Biochem & Physiol C, Comp Pharmacol
Coop Inf (Int Labor Off)
CPMC (Cuoio Pelli Mater Concianti
CRC Crit Rev Food Technol (Chem Rubber Co)
Crop Sci
Csiro For Prod Newsl
Ctry Life
Cuban J Agric Sci
Cukoripar
Cultivar
Curr Sci
Cytobiologie
Cytobios
Cytol Genet
Dairy Ind
Dairy Notes Calif Univ Agric Ext Serv
Dairy Tales
Dairyman (Armadale)
Dan Bot Ark
Dan Pelsdyravl
Dep Inf Rep Texas A M Univ Dep Agric Econ Rural Soc
Dep Tech Rep Tex A & M Univ Dep Agric Econ Rural Soc
Depeche Ind Commer Agric
Desarr Rural Am
Dev Biol
Dev Change
Dev Grow Differ
Differentiation
Dig Int J Gastroenterol
DLZ (Die Landtech Z)
Dokl Biochem
Dokl S-kh Akad Im Georgiia Dimitrova
Drvna Ind
Dtsch Lebensm Rundsch
Dtsch Milchwirtsch
Dtsch Molk Ztg
Dtsch Muller Ztg
E S M Ohio State Univ Dep Agric Econ Rural Sociol
ECE/AGRI U N Jt FAO/ECE Agric Div
Ecol Model
Ecol Res Ser EPA U S Environ Prot Agency
Ecology (Durham)
Econ Agric
Econ Bot
Econ Inf Rep Dep Econ N C State Univ Raleigh
Econ Med Anim
Effluent Water Treat J
Egg Ind
Egypt J Genet Cytol
Egypt J Hortic
Elelmez Ipar
Elev Insemination
Empress Chinchilla Breeder
Eng Ext Ser Purdue Univ
Entomol Bl
Entomol Exp Appl
Entomol Mon Mag
Entomol News
Entomol Obozr
Entomol Probl
Entomol Rec J Var
Entomol Z
Environ & Plann
Environ Conserv
Environ Health Eff Res Ser EPA
Environ Pollut
Environ Prot Technol Ser EPA U S Environ Prot Agency
Environ Sci Tech
Equine Vet J
Equip Dev Test Rep U S Dep Agric For Serv Equip Dev Cent (Calif)
Erdo
ERS Foreign Reg Anal Div Econ Serv U S Dep Agric
ERS U S Dep Agric Econ Res Serv
Etud CNEEMA (Cent Natl Etud Exp Mach Agric)
Eur J Biochem
Eur J For Pathol
Eur J Pharmacol
Europ J Immunol
Exp Anim
Exp Cell Res
Experientia
Ext Bull ASPAC Food Fert Technol Cent (Asian Pac Counc)
Ext Bull Coop Ext Serv Oreg State Univ
Ext Bull Dep Agric South Aust
Ext Bull E Coop Ext Serv Mich State Univ
Ext Bull Md Univ Coop Ext Serv
Ext Circ Ext Serv Oreg State Univ
Ext Fol Agric Ext Serv Univ Minn
Ext Publ Coop Ext Serv Univ N H
Ext Serv Rev U S Dep Agric
FAO For Dev Pap
FAO Libr Occas Bibliogr
Farm Bull Dep Agric Fish (Dublin)
Farm Chem
Farm Ed Sci
Farm Fact
Farm For
Farm J (Calcutta)
Farm Manage
Farm Manage Rev
Farmer Parliament
Farmers Bull U S Dep Agric
Farmfutures
Farming Jap
FAS-M U S Foreign Agric Serv
FEBS Lett (Fed Eur Biochem Soc)
Feddes Repert
Feedstuffs
Feline Pract
Fermes Mod
Fert News
Fette Seifen Anstrichm
Field Drain G B Minist Agric Fish Food
Field Notes U S For Serv
Financ Agric
FIRA Bull
Fitopatologia
Fitoterapia
Fiziol Zh SSSR
Fla Flower Grow
Flavour Ind
Fleischwirtschaft
Flora Males Bull
Flora West Pak
Florists Rev
Flower Nursery Rep Commer Grow Coop Ext Univ Calif
Folia Biol (Praha)
Folia Entomol Hung
Folia For
Folia Microbiol
Folia Vet
Food Ind S Afr
Food Irradiat Inf
Food Res Inst Stud Agric Econ Trade Dev
Food Technol
For Comm Bull (Lond)
For Comm For Rec (Lond)
For Comm Leafl (Lond)
For Econ
For Prod J
For Res what's new west
For Serv Res Pap WO U S Dep Agric
Forage Notes
Forderungsdienst
Foreign Agric Circ, Livest Meat FLM (U S Dep Agric)
Foreign Agric Circ, Sugar FS (U S Dep Agric)
Foreign Agric U S Foreign Agric Serv
Forstwiss Centralbl
Fresenius Z Anal Chem
Fruit Situation
Fruit World Mark Grow
Fruits
Fruits & Abeilles
Fuchsia Annu
G Alleva
Ga Vet
Gard J
Gartner Berufsprax
Gartneryket
Gaz Apic
Gazdalkodas
Gen Ser Colo State Univ Exp Stn (Fort Collins)
Genet Res
Genetics
Genio Rurale
Geogr World Agric
Geol Surv Bull
Geol Surv Prof Pap U S Dep Inter
Geol Surv Water Supply Pap
Gesunde Pflanz
Giessen Beitr Erbpathol Zuchyg
Glas Prir Muz Beogr, Ser B Biol Nauke
Glean Bee Cult
Gordian
Gorskostop Nauka
Great Plains Agric Counc Publ
Grounds Maint
Grune
Handb Physiol Am Physiol Soc
Hassadeh
Health Phys
Health Serv Rep
Helv Chim Acta
Herba Pol
Hereditas
Heredity
Hilgardia
Ho Dep Hortic Univ Ky Coll Agric Coop Ext Serv
Hoards Dairym
Hog Farm Manage
Holz Roh Werkst
Home Gard Bull U S Dep Agric
Hoppe Seylers Z Physiol Chem
Hortic News (N J State Hortic Soc)
Husipar
Hutoipar
Idaho Agric Res Prog Rep
Ill Nat Hist Surv Bull
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Immunology
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In Profilaktika i lechenie zabolevanii molodniaka sel'skokhoziaistvennykh zhivotnykh
In Puti izucheniia i osvoeniia bolot severo-zapada evropeiskoi chasti SSSR
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In Symposium on Midwest Agriculture 1840-1900
In Vitro J Tissue Cult Assoc
Ind Aliment
Ind Aliment Agric
Ind Aliment Anim
Ind Saccarif Ital
Indian Cashew J
Indian Dairym
Indian Farm Mech
Indian Farming
Indian For
Indian J Anim Sci
Indian J Genet Plant Breed
Indian J Mycol Plant Pathol
Indian J Nutr Diet
Indian J Power River Val Dev
Indian Poult Gaz
Indian Silk
Indian Vet J
Inf Agric (Paris)
Inf Conf Cursos Reun I I C A (Interam Inst Cienc Agric)
Inf Fitopatol
Inf Internes Agric
Inf Ortofruttic
Inf Rep BC-X Pac For Res Cent
Inf Tec INTA (Inst Nac Tecnol Agropecu Manfredi)
Inf Tech (Paris)
Infect Immun
Insect Biochem
Int Arch Allergy Appl Immunol
Int J Appl Radiat Isot
Int J Biochem

Int J Biometeorol
Int Rev Gesamten Hydrobiol
Int Sugar J
Ir Beekeep (An Beacaire)
Ir Vet J
Ital Agric
J Agric Chem Soc Jap
J Agric Eng
J Agric Food Chem
J Agric Soc Trinidad Tobago
J Air Pollut Control Assoc
J Am Chem Soc
J Am Diet Assoc
J Am Leather Chem Assoc
J Am Oil Chem Soc
J Am Vet Med Assoc
J Anat
J Anim Sci
J Appl Bacteriol
J Appl Ecol
J Arboric
J Arnold Arbor
J Assoc Off Anal Chem
J Aust Entomol Soc
J Bacteriol
J Biochem (Tokyo)
J Bioenerget
J Biol Chem
J Bromeli Soc
J Can Diet Assoc
J Cell Biol
J Cell Physiol
J Cell Sci
J Chem Ecol
J Chem Soc, Perkin Trans I
J Chromatogr
J Colloid Interface Sci
J Comp Pathol
J Comp Physiol
J Comp Physiol Psychol
J Dairy Sci
J Ecol
J Econ Hist
J Electronmicrosc (Tokyo)
J Endocrinol
J Environ Eng Div Proc Am Soc Civ Eng
J Environ Health
J Exp Biol
J Ferment Technol
J Food Sci
J Food Sci Tech
J Food Technol
J For Suisse
J Gen Microbiol
J Gen Physiol
J Gen Virol
J Hered
J Hist Biol
J Home Econ
J Hortic Sci
J Hydrol
J Hyg Epidemiol Microbiol Immunol
J Immunogenet
J Immunol Methods
J Indian Chem Soc
J Indian Soc Soil Sci
J Insect Physiol
J Inst Brew
J Interdis Cycle Res
J Invertebr Pathol
J Jap Bot
J Jap For Soc
J Jap Soc Hortic Sci
J Lipid Res
J Mar Biol Assoc U K
J Membr Biol
J Microsc (Lond)
J Milk Food Technol
J Mol Biol
J Morphol
J N Y Entomol Soc
J Nat Hist
J Nutr
J Nutr Educ
J Org Chem
J Pathol (Edinb)
J Pharm Soc Jap
J Physiol
J Plant Crops
J Reprod Fertil
J Res Haryana Agric Univ
J S Afr Bot
J Sci Food Agric
J Sci Soil Manure
J Small Anim Pract
J Soc Agric Mach Jap
J Soil Sci
J Steroid Biochem
J Struct Chem
J Suisse Apicul
J Takeda Res Lab
J Virol
J Water Pollut Control Fed
J West
Jap J Microbiol
Jap J Vet Sci
Jap J Zootech Sci
Kehutanan Indones
Kemia-Kemi (Helsinki)
Kenya Cof
Kern Crop Inf Univ Calif Agric Ext Serv
Keszth Agrartud Fosk Kozl
Koleopterol Rundsch
Kraftfutter
L Coop Ext Serv Kans State Univ
La Vie Agric Meuse
Lab Anim Sci
Lab Invest
Lab Pract
Lait
Lambillionea
Land Econ
Land Res Ser Commonw Sci Ind Res Org Aust
Land Resour Study G B Foreign Commonw Off Land Resour Div
Landbouwmechanisatie
Landbrukstidende
Landmasch Markt
Laporan Dir Jenderal Kehutanan
Leafl Aust Dep Agric For Timber Bur
Leafl Coop Ext Serv Univ Ga Coll Agric
L'elevage
Life Sci
Lighter
Lipids
Los Ang Cty Mus Contrib Sci
M MA (Macch Mot Agric)
Maataloushallinnon Aikak
Macaro J
Maelkeritidende
Magy Allatorv Lapja
Magy Kem Lapja
Maize News
Malay For
Mark Res Rep U S Dep Agric Econ Res Serv
Mark Transp Situation
Medd Nor Tretek Inst
Medd Statens Forsogsvirksomhed Plantekult
Meded Lab Virol Landbouwhogesch (Wageningen)
Meheszet
Meieriposten
Mejeribrugets Uge-Nyt
Meld Inst Bygningstek Nor Landbrukshogsk
Mem Coll Agric Natl Taiwan Univ
Mem Entomol Soc Can
Mem Soc Broter
Mem Soc Fauna Flora Fenn
Memo Tec Secr Recurso Hidraul Dir Gen Dist Riego Dir Estad Estud Econ
Menara Perkebunan
Metabolism
Metod Zavad Vysled Vyzk Praxe
Mezogazd Tech
Miasn Ind SSSR
Mich Farm Econ
Micol Ital
Mid East J
Mikrokosmos
Milchwissenschaft
Milk Ind
Misc Pub Coop Ext Serv Appala Cent W Va Univ
Misc Publ Commonw Inst Biol Control
Misc Publ U S Dep Agric
Misc Rep Minn Agric Exp Stn
Misc Univ Nac Tucuman Fac Agron Zootech
Mitt Bundesforschungsanst Forst Holzwirtsch
Mitt Geb Lebensmittelunters Hyg (Bern)
Mitt Naturforsch Ges Bern
Mitt Schweiz Landwirtsch
Mitt Versuchsstn Garungsgewerbe Wien
Mitt Zool Mus Berl
Mod Vet Pract
Mol Gen Genet (MGG)
Monatsh Veterinarmed
Mondo Latte
Monogr Biol Canarienses
Monogr INIA (Inst Nac Invest Agrar)
Monogr Physiol Veg
Monti Boschi
Mosc Univ Chem Bull
Mosq News
MP Tex A M Univ Tex Agric Exp Stn
MP Univ Md Agric Exp Stn
Mt Grow
Muhle Mischfuttertech
Mushi
Mushroom J
Mycol Pap Commonw Mycol Inst
Mysore J Agric Sci
N D Res Rep
N S W Dairyman
N Z Fert J
N Z J Agric
N Z J Dairy Sci Technol
N Z J Exp Agric
N Z J For Sci
Nachrichtenbl Bayer Entomol
Nachrichtenbl Dtsch Pflanzenschutzd
Nat And Resour
Nat Belg
Natl Food Situation
Natl Inst Anim Health Q (Tokyo)
Natl Wool Grow
Nature
Naturwiss Rundsch
Naturwissenschaften
Nauch Dokl Vyssh Shk, Biol Nauk
Naunyn Schmiedbergs Arch Pharmakol
Nebr Tractor Test
Ned Melk Zuiveltijdschr
Neth J Zool
Neue Bienenzucht
New Entomol
New Guinea Res Bull
News Am Coll Vet Toxicol
News Farmer Coop
Newsl Assoc Off Seed Anal
Nihon Sanshi Gakkai Nippon Sanshigaku J Seric Sci Jap
Nihon Shokuhin Eisei Gakkai J Food Hyg Soc Jap
Nippon Sochi Gakkai Shi
Nor Hagetid
Nor Landbruk
Nor Pelsdyrbl
Nor Skogbruk
Nord Mejeritidsskr
North Log Timber Process
Not Entomol
Not Neosan
Notizbl Hess Landesamtes Bodenforsch Wiesb
Nouv Avic
Novenyved Korszerusitese Novenyved Kut Intez Kozl
Nucleic Acids Res
Nuova Vet
Nutr Metab
Nutr Program News
Obz Inf Minist Sel'sk Khoz SSSR Vses Nauchno-Issled Inst Inf Tekh-Ekon Issled Sel'sk Khoz
Occas Pap Calif Acad Sci
Oecologia
Okajimas Folia Anat Jap
Oleagineux
Onderstepoort J Vet Res
Oriental Insect
Osterreich Bot Z
Osteuropastud Hochsch Landes Hassen, Reihe I, Giessner Abh Wirtsch Europ Ostens
Outlook Agric
Oxf Chem Ser
PA U S Dep Agric
Pak Cottons
Pak Dev Rev
Pap Puu
Parasitology
Paysans
Peanut J Nut World
Pecan South
Pest Control
Pestic Sci
Pesticides
Pflanzenarzt
Pflugers Arch
Phillip J Sci
Philos Trans R Soc Lond, Ser B Biol Sci
Phospho Potas
Physiol Plant
Physiol Plant Pathol
Physiol Veg
Phytochemistry
Phytomorphology
Phytopathol News
Phytopathology
Pig Farming
Plant Chron
Plant Dis Rep
Plant Foods Man
Plant Inventory U S Dep Agric Plant Ind Stn
Plant Med
Plant Med Phytother
Plant Physiol
Plant Soil
Planta
Plants Gard
Planzenschutz Nachr
Pluimveehouderij
PM Coop Ext Serv Iowa State Univ
Pochvovedenie
Pochvozn Agrokhim
Pol Arch Weter
Poljopr Znan Smotra
Pomol Fr
Postepy Drobiarst
Poult Guide
Poult Trib
Prakt Schadlingsbekampf
Prep Biochem
Priroda (Mosk)
Proc Annu Conv Natl Peach Counc
Proc Annu Conv Nebr State Irrig Assoc
Proc Annu Meet Agric Pestic Soc
Proc Biol Soc Wash
Proc Br Weed Control Conf
Proc Calif Acad Sci
Proc Great Plains Agric Counc
Proc Lincoln Coll Farmers Conf
Proc Natl Sci Counc
Proc S D Acad Sci
Proc Soc Exp Biol Med
Proc Soil Sci Soc Am
Proc Trans Br Entomol Nat Hist Soc
Proc Utah Acad Sci Arts Lett
Prod Agric Fr
Prod R D
Prog Agric Vitic
Prog Farming
Prog Food Nutr Sci
Prog Rep Colo State Univ Fort Collins Exp Stn
Prog Rep Sociol Anthropol Agric Exp Stn N C State Univ
Prog Rep Univ Ky Coll Agric Agric Ext Stn Dep Agron
Protistologica
Protoplasma
Ptitsevodstvo
Publ Agric Can
Publ Cent Board Irrig Power (New Delhi)
Publ Dep Environ Can For Serv
Publ Entomol Univ Calif
Publ Ext Serv Miss State Univ Coop U S Dep Agric
Pudoc Bull
Puti Povysh Urozhainosti Polevykh Kul't
Q Bull Assoc Food Drug Off U S
Q J Taiwan Mus
Quaest Entomol
Queensl Nat
R T I A (Rev Tech Econ Ind Aliment)
Radiat Res
Range Sci Ser
Rapp Inst Virkeslara Skogshogsk (Stockh)
Rapp Uppsats Inst Skogsforyngr Skogshogsk (Stockh)
Rastenievud Nauk
Rec Aust Mus
Recl Med Vet
Redia G Zool
Redog Forskningsstiftelsen Skogsarbeten
Remote Sens Environ
Reordenamento
Res Bull Res Div Coll Agric Life Sci Univ Wis
Res Bull Univ Mass Amherst Coll Agric Agric Exp Stn
Res Indus
Res Notes B C For Serv
Res Pap For Res Lab Sch For Oreg State Univ
Res Rep Mich State Univ Agric Exp Stn
Res Rep Mont Agric Exp Stn Mont State Univ
Res Rep N H Agric Exp Stn
Res Rep P OSU Agric Exp Stn (Okla State Univ)
Res Rep Univ Ga Coll Agric Exp Stn
Res Vet Sci

Resour Bull PNW USDA For Serv Pac Northwest For Range Exp Stn (U S Dep Agric)
Respir Physiol
Rev Agric (Brux)
Rev Bras Biol
Rev Bryol Lichenol
Rev Ceres
Rev Cytol Biol Veg
Rev Ecol Biol Sol
Rev Elev Med Vet Pays Trop
Rev Embouteillage Indus Cond Trait Distrib Transp
Rev ESSO Agric
Rev Ferment Ind Aliment
Rev For Fr
Rev Fr Apic
Rev Gen Bot
Rev Hortic
Rev Inst Agric Catalan San Isidro
Rev Inst Laticin Candido Tostes
Rev Lait Fr
Rev Med Vet (Toulouse)
Rev Mycol
Rev Nac Agric
Rev Roum Virol
Rev Suisse Agric
Rev Suisse Vitic Arboric Hortic
Rev Suisse Zool
Rev Venez Sanid Asist Soc
Rev Vin Fr, Engl Lang Ed
Rev Vinic Int
Rev Zool Agric Pathol Veg
Rheinische Bienenztg
Rice J
Rilancio Agric Vet Zootec
Riv Ing Agrar
Riv Ital Sost Grasse
Riv Ortoflorofruttic Ital
Riv Polit Agrar
Rocz Glebozn
Rocz Technol Chem Zywn
RSRI Discuss Pap Ser (Reg Sci Res Inst)
Rural Dev Rev
Rural India
S Afr J Sci
Sabouraudia
Sammenslutningen
Sante Abeille
Sarsia Univ Bergen
SB Univ Nebr Lincoln Coll Agric Agric Exp Stn
Schriftenr Land Sozialfragen
Schweiz Z Obst Weinbau
Sci Agric
Sci Bull Coll Agric Univ Ryukyus Okinawa
Sci Cult
Science
Scott Agric Econ
Scott For
Search, Sci Technol Soc
Seed Sci Technol
Sementi Elette
Ser Cient Inst Invest Agron Angola
Ser Tec IIAA (Inst Invest Agron Angola)
Smaskrift Landbruksdep Opplysningstjenesten (Norway)
Smithson Contrib Bot
Smithson Contrib Zool
Socioecon Environ Stud Ser EPA- US Environ Prot Agency Off Res Dev
Sociol Ruralis
Soil Conserv
Soil Sci
Soil Ser Br Columbia Dep Agric Field Crops Branch
Soils Land Use Ser Commonw Sci Ind Res Organ
South Coop Ser
Southwest Nat
Sov Genet
Sov Soil Sci
Soybean Dig
Spec Publ Coll Agric Univ Ill Urbana Champaign
Spec Rep Oreg State Univ Agric Exp Stn
Specialmedd Jordbruktek Inst
Stat Bull U S Dep Agric
Stat Rep World Agric Prod Trade
Statni Statky
Stensiltr Inst Bygningstek Nor Landbrukshogsk
Steroids
Stikstof (Hague)
Stud Inf, Ochr Rostl
Stud Inf, Rostl Vyroba
Stud Neotrop Fauna
Studi Sassari, Sez III
Sucr Fr
Sugar News
Sugarbeet Grow
Sunshine State Agric Res Rep
Surinaam Landbouw
Sven Papperstidn
Symb Bot Upsal
Syst Zool
TAG (Theor Appl Genet)
T'ai Wan Nung Yeh Chi K'an
Taiwan Sugar
Tappi (Tech Assoc Pulp Paper Ind)
Taxon
Tec Molit
Tech Bull Agric Exp Stn Univ Ariz
Tech Bull Agric Exp Stn Univ Minn
Tech Bull Agric Res Serv U S Dep Agric
Tech Bull N C Agric Exp Stn
Tech Commun Dep Agric Tech Serv (Pretoria)
Tech Ind Cereal
Tech Lait
Tech Note (Silvic) East Afr Agric For Res Organ
Tech Rep Univ Md Water Resour Res Cent
Tech Rep Water Resour Res Cent Univ Hawaii
Tek Bul Ser Ormancil Arastirma Enst Yayin
Terra
Terre Vie
Tetrahedron Lett
Text Res J
Theriogenology
Tierzucht
Timber Grow
Tohoku J Agric Res
Tolvmandsbladet
Toxicol Appl Pharmacol
Toxicon
Trans Am Microsc Soc
Trans Br Mycol Soc
Trans R Entomol Soc Lond
Trop Agric (Colombo)
Trop Anim Health Prod
Trop Sci
Tropenmed Parasitol
Tsitol Genet
TSitologiia
Tuinbouwberichten
Two Bud
U S Agric Res Serv West Reg ARS W
U S D A For Serv Res Note FPL (U S Dep Agric For Prod Lab)
U S D A For Serv Res Pap FPl
U S D A For Serv Res Pap NE (U S Dep Agric Northeast For Exp Stn)
U S D A For Serv Res Pap S E For Serv U S Dep Agric Southeast For Exp Stn
U S For Serv For Pest Leafl
U S For Serv Res Note RM (Rocky Mt For Range Exp Stn)
Ugeskr Agron Hortonomer
Uitvoer Versl Sticht Bosbouwproefstn Dorschkamp
Umweltschutz
Univ Kans Sci Bull
Urban Health
USDA For Ser Gen Tech Rep PNW Pac Northwest For Range Ext Stn U S Dep Agric
USDA For Ser Res Note NE (U S Dep Agric Northeast For Exp Stn)
USDA For Serv Gen Tech Rep FPL U S For Prod Lab
USDA For Serv Res Note PNW (Pac Northwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Note SE (U S Dep Agric For Serv Southeast For Exp Stn)
USDA For Serv Res Notes PSW (Pac Southwest For Range Exp Stn U S Dep Agric)
USDA For Serv Res Pap NC (U S Dep Agric North Cent For Exp Stn)
USDA For Serv Res Pap PNW (U S Pac Northwest For Range
USDA For Serv Res Pap PNW (U S Pac Northwest For Range Exp Stn)
USDA For Serv Res Pap PSW (Pacific Southwest For Range Exp Stn U S Dep Agric)
USDA For Serv Resour Bull NC (U S Dep Agric North Cent For Exp Stn)
USGA Green Sect Rec
Usp Sovrem Biol
VAE (Va Agric Econ)
Vaxtodling
Vcelar
Vcelarstvi
Verh Naturforsch Ges Basel
Verh Ungender Dtsch Zool Ges
Versl Landbouwk Onderz Cent Landbouwpubl Landbouwdoc
Vestn Moskovsk Univ, Biol Pochvoved
Vet Bull
Vet Econ
Vet Ecuat
Vet Glas
Vet Ital
Vet Med (Prague)
Vet Pathol
Vet Rec
Veterinaria
Virology
Vitamin
Viz Kozl
VM SAC (Vet Med Small Anim Clin)
VP X Environ Can For Serv
W H O Tech Rep Ser
WAA, World Agric Aviat
Water Res
Water Resour Bull
Water Resour Res
Weinberg Keller
Whats New Plant Physiol
Wiad Parazytol
Wies Wspolczesna
Wilhelm Roux Arch Entwicklungsmech Org
Wines Vines
World Wood
Wynboer
Year Book Br Goat Soc
Z Acker Pflanzenbau
Z Allg Mikrobiol
Z Angew Entomol
Z Kulturtech Flurbereinig
Z Parasitenkd
Z Pflanzenphysiol
Z Pflanzenzucht
Z Tierphysiol Tierernahr Futtermittelkd
Z Tierpsychol
Z Tierz Zuchtungsbiol
Z Versuchstierkd
Z Zuckerind
Zagad Ekon Roln
Zemed Ekon
Zemed Tech
Zentralbl Bakteriol Parasitenkd Infekionskr Hyg, I Abt Orig, reihe A Med Mikrobiol Parasitol
Zentralbl Bakteriol Parasitenkd Infektionskr Hyg, I Abt Orig, Reihe B Hyg Prav Med
Zentralbl Veterinarmed, Reihe A
Zentralbl Veterinarmed, Reihe B
Zesz Probl Postepow Nauk Roln
Zh Obshch Biol
Zivocisna Vyroba
Zool Afr
Zool Jahrb, Abt Allg Zool Physiol Tiere
Zool Jahrb, Abt Anat Ontog Tiere
Zool Zh
ZOON J Zool Inst Zool Univ Upps
Zootec Nutr Anim
Zuchtungskunde
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